# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 39/2015 ISSUE NO. 39/2015

शुक्रवार FRIDAY दिनांक: 25/09/2015

DATE: 25/09/2015

# पेटंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

# **INTRODUCTION**

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

( Rajiv Aggarwal ) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

25<sup>th</sup> SEPTEMBER, 2015

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# THE PATENT OFFICE KOLKATA, 25/09/2015

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	Phone: (91)(22) 24137701		Kolkata- 700 091
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	E-mail: mumbai-patent@nic.in		Phone: (91)(33) 2367 1943/44/45/46/87
	❖ The States of Gujarat, Maharashtra, Madhya		Fax: (91)(33) 2367 1988
	Pradesh, Goa and Chhattisgarh and the Union		E-Mail: kolkata-patent@nic.in
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	Haveli		
	11UVCII		❖ Rest of India
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	Government of India,		
	Boudhik Sampada Bhavan,		
	Plot No. 32., Sector-14, Dwarka,		
	New Delhi - 110075		
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	Fax: (91)(11) 2808 1920 & 2808 1940		
	E.mail: <u>delhi-patent@nic.in</u>		
	❖ The States of Haryana, Himachal Pradesh, Jammu		
	and Kashmir, Punjab, Rajasthan, Uttar Pradesh,		
	Uttaranchal, Delhi and the Union Territory of		
	Chandigarh.		
L	Chanagani.	1	

Website: <u>www.ipindia.nic.in</u> www.patentoffice.nic.in

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

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# पेटेंट कार्यालय

# कोलकाता, दिनांक 25/09/2015

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एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdtm@nic.in  एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गाया चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फ़ैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in	50
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<ul> <li>अान्ध प्रदेश, तेलंगाना, कर्नाटक, केरल, तिमलन</li> </ul>	_
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तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, ल	
2 पेटेंट कार्यालय, भारत सरकार 5 पेटेंट कार्यालय, भारत सरकार	
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एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, सीपी-2, सेक्टर- V, साल्ट लेक सिटी,	
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• गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, ई. मेल: kolkata-patent@nic.in	
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<ul> <li>भारत का अवशेष क्षेत्र</li> </ul>	
3 पेटेंट कार्यालय, भारत सरकार	
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फ़ैक्सः (91)(11) 2808 1920, 2808 1940	
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पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

# **SPECIAL NOTICE**

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

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

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

( Rajiv Aggarwal ) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

# **SPECIAL NOTICE**

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

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

# **SPECIAL NOTICE**

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

# **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.1717/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: MOST ADVANCED TRANSPORTATION TECHNOLOGY

(51) International classification		(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:NA :NA	1)SATYAM RAJ Address of Applicant :M-98, CONNAUGHT PLACE,
(33) Name of priority country	:NA	WESTERN INDIA BUILDING, OPPOSITE TO HALDIRAM,
(86) International Application No	:NA	NEW DELHI - 110001 Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SATYAM RAJ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention deals how you can reach from any place to another place in a city like Delhi in maximum 10 minutes. It consist of a trolly in which peoples will sit. This trolly will have a keypaid which will be divided into four zones for different number for turnings in different places. Each zones buttons will be connected to metal strip in trolly by hydorllics so that each metal strip will move different distance for different buttons in a zone. This movement of metal strip will only decide the station in which it has to go (i.e. of station of which code is feeded). Each station will have different code. It also consist of anti collision technique in which when a trolly from track is diverted to subtrack and there is another trolly is subtrack then trolly of subtrack will stop till trolly of track goes to the subtrack safely. After this the trolly stopped in subtrack gets started. To avoid collision in same track there is a metal piece at the back of every trolly.

No. of Pages: 37 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1563/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PASSWORD LOCKING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant: 1)SATYAM RAJ Address of Applicant: M-98, CONNAUGHT PLACE, WESTERN INDIA BUILDING, OPPOSITE HALDI RAM, NEW DELHI-PINCODE-110001 INDIA Delhi India (72)Name of Inventor: 1)SATYAM RAJ
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

## (57) Abstract:

This invention deals how the lock will be open if you feed the right password in any order or else you will be provided three chance to feed the right password and if in three trials you are not able to feed the right password then you cannot enter more password and a buzzer will start and a phone call will be made to the owner about unauthorized entry. It consist of keypad with buttons. The button through rod is attached to metal plate. This rod contains a extended metal part for holding its position when pressed. When you press correct password them the circuit of motor of lock and pully will be complete and lock will open and also the pully will go to the position when none of the trial was made. This contains a handle with two valves for current delivery and counting of no of trials, and bringing button rod to its original position.

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

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TWO STAGED TURN SIGNALS FOR VEHICLES

(51) International classification	·H01H13/64	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.JANAKKUMAR B PATEL
(32) Priority Date	:NA	Address of Applicant :C-305, AMITY UNIVERSITY
(33) Name of priority country	:NA	HARYANA, PANCHGAON, MANESAR, GURGAON-122413,
(86) International Application No	:NA	INDIA. Haryana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR.JANAKKUMAR B PATEL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This research looks at the possibility for the improvement of vehicular turn signalling system. The current approach uses a Single Pole Double Throw switch to indicate the desire to turn in one direction. The idea is to use Single Pole Quadruple Throw switch instead and provide more details about the turning. The two modes will be- Normal and Fast. Fast mode will depict the drivers intentions of urgent turn and normal mode will be used as always. There has been an exponential growth on the number of cars in last decade turning major focus on reducing car accidents and traffic jams. The purpose of two staged indicator system is not only to provide added safely by reducing chances of accidents, but also to help reduce possible traffic jams.

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

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A NOVEL CIRCUIT OF VARIATION IMMUNE MAGNETIC TUNNEL JUNCTION BASED TERNARY CAM

(51) International classification	:G11C15/00, G11C15/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MOHIT KUMAR GUPTA Address of Applicant :DEPARTMENT OF ELECTRONICS
(32) Priority Date	:NA	ENGINEERING, ALIGARH MUSLIM UNIVERSITY,
(33) Name of priority country	:NA	ALIGARH-202002, U.P., INDIA. Uttar Pradesh India
(86) International Application No	:NA	2)MOHD.HASAN
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MOHIT KUMAR GUPTA
(61) Patent of Addition to Application Number	:NA	2)MOHD.HASAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Design of non-volatile robust, low power and high speed magnetic ternary content addressable memory (M-TCAM) using non-volatile element like magnetic tunnel junction (MTJ) is highly challenging. Process variations in MTJ, transistor parameters and voltages like (clock, search, inputs and supply voltage) degrade the performance of M-TCAM as the number of bits increases. To bring M-TCAM into practical use for wide arrays, its cell has i to be designed with large tolerance to all types of variations. It is important to reduce the searching power consumption of M-TCAM without any increase in delay and area. The proposed M-TCAM cells have less read disturbance, low power and comparable Power Delay Product (PDP) as compared to the reported MTJ based magnetic CAM/TCAMS. Monte Carlo simulation has been performed for determining the robustness of the proposed M-TCAM by considering variations in MTJ, transistor parameters and supply voltage. A Verilog-A model of the MTJ along with 45nm CMOS technology is used for the simulation.

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :01/09/2015

(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR EVALUATING HUMAN RESOURCES IN A SOFTWARE DEVELOPMENT ENVIRONMENT

	<b>20.10.10.10.</b>	
(51) International classification	:G06Q10/00	(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)SHUKLA, Ashutosh
(87) International Publication No	: NA	2)KANAKADANDI, Satya Sai Prakash
(61) Patent of Addition to Application Number	:NA	3)DHANYAMRAJU, S U M Prasad
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure discloses system and method for evaluating a human resource in a software development environment. At first, historical performance data and profile data associated with a plurality of human resources involved in a software project is received. From such data (historical performance data and profile data), a plurality of attributes is extracted. Further, Bayesian classification technique is implemented on the plurality of attributes in order to classify the plurality of attributes, of each human resource, into a plurality of classes. The plurality of attributes are classified in such a manner that at least one attribute corresponding to at least one human resource and at least one other human resource is classified into a class and another class respectively. Further, based on the classification of each attribute associated with the human resource, a grade is assigned to the human resource.

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

(22) Date of filing of Application :01/09/2015

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD FOR DETECTING AND ALERTING A USER CONDITION DURING VOICE-BASED DETECTION

(51) International classification	:G06F3/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Comviva Technologies Limited
(32) Priority Date	:NA	Address of Applicant : A-26, Info City, Sector 34, Gurgaon-
(33) Name of priority country	:NA	122001, Haryana, India Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BANERJEE, Amrita
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention describes a method and system (200) for detecting and alerting a user condition during a voice-based detection. The system (200) incorporates the method comprising: receiving a voice based command from said user, detecting presence of a first predetermined voice fragment and a second predetermined voice fragment in the voice-based command, and triggering output of a false information pertaining to an operation underway.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2618/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :11/09/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ROPEWAY SPRAYER

(51) International classification	:B05B9/03	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Manjinder Singh
(32) Priority Date	:NA	Address of Applicant :S/o Devinder Singh, #26 Village
(33) Name of priority country	:NA	Maloya, Chandigarh Pin 160025 India Chandigarh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Manjinder Singh
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		I

## (57) Abstract:

Present invention relates to a sprayer for spraying liquid in field areas. More particularly, present invention relates to a sprayer system which can move over a strands/wire such as a rope.

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

(22) Date of filing of Application :08/09/2015

(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR GENERATING AN AUTOMATED CUSTOMIZED REPORT IN INFORMATION TECHNOLOGY SERVICE DELIVERY ENVIRONMENT

(51) International classification	·G06O10/00	(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)GARG, Aditya
(87) International Publication No	: NA	2)SINGH, Shailender
(61) Patent of Addition to Application Number	:NA	3)GARG, Sanyog
Filing Date	:NA	4)MAJUMDAR, Arjun
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present subject matter discloses system and method for generating an automated customized report in service delivery environment. Data is received from plurality of sources, wherein the data is associated to a plurality of activities being performed corresponding to one or more services defined by a service level agreement (SLA). Subset of data is fetched, from the data, corresponding to a set of activities. Further, one or more metrics is computed based on the subset of data. Further, the system analyze whether the set of activities are complying with the SLA based on the one or more metrics computed. Further, a report is generated based on the aforementioned analysis. The report generated is customized in a predefined format defined as per the SLA. The report generated is transmitted to a plurality of devices, of a plurality of concerned members, associated with the report.

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

(22) Date of filing of Application :02/09/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : TOILET COMMODE SEAT RING FOR MEASURING, PROCESSING, STORING, TRANSMITTING HUMAN BODY PARAMETERS ALONG WITH EMERGENCY ALARMS.

(51) International classification	:A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LAIT MOHAN
(32) Priority Date	:NA	Address of Applicant :SITA RAM HOUSE, RANKER'S
(33) Name of priority country	:NA	POINT COMPLEX, STREET NO.6, BIBI WALA ROAD,
(86) International Application No	:NA	BATHINDA-151 001. PUNJAB Punjab India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)LALIT MOHAN
(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 medical equipment for simultaneous diagnostic of various vital parameters of human body comprising a seating means installed with a plurality of sensors to measure various vital, human body parameters, which is provided in communication with a control unit to transmit user related data to a monitoring unit. It is associated with the following advantageous features: - Simultaneous diagnostic of various vital parameters of human body, hence less time consuming. -Compact. and therefore portable. - Cost effective.

No. of Pages: 35 No. of Claims: 12

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A SYSTEM AND A METHOD FOR LEAN METHODOLOGY IMPLEMENTATION IN INFORMATION 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>(86) International Application No</li></ul>	:G06F9/44 :NA :NA :NA :NA	(71)Name of Applicant:  1)HCL Technologies Limited Address of Applicant: B-39, Sector 1, Noida 201 301, Uttar Pradesh, India Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor : 1)SAXENA, Vikas
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)SINGH, Shailender 3)SINGROHA, Pradeep
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is method and systemfor providing resolution to a ticket in a lean information technology framework. In one implementation the method comprises configuring a activity complexity database based on a plurality of low complexity activities identified across industry segments and technology tracks in an information technology framework. Further, receiving a ticket for resolution from a customer in the information technology framework, wherein the ticket comprises an issue, an error and a problem. Furthermore, classifying ticket as a low complexity activity or a non-low complexity activity based on a comparison of the ticket with the plurality of low complexity activities stored in the activity complexity database. Subsequently, assigning the ticket classified as the low complexity to a low complexity ticket team for providing a resolution to the ticket in the information technology framework, wherein the low complexity ticket team is one of a cross functional and cross technology team.

No. of Pages: 48 No. of Claims: 12

(22) Date of filing of Application :04/09/2015

(43) Publication Date: 25/09/2015

# (54) Title of the invention : ELECTRONIC DEVICE AND METHOD FOR ENHANCING TEXTURE OF AN OBJECT IN A VIDEO IN REAL-TIME

(51) International classification	:G11B27/34	(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 201301, 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)KUMAR, Arun
(87) International Publication No	: NA	2)PANDEY, Anurag
(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 an electronic device 100 and method for enhancing texture of an object present in a video. The electronic device 100 comprises memory unit 106 coupled to image capturing unit 102 and image processing unit 104. The image capturing unit 102 captures a video comprising plurality of frames corresponding to plurality of objects. The image processing unit 104 extracts Region of Interest from a frame of the plurality of frames. The ROI comprises plurality of pixels having threshold values falling within a range of predefined lower and upper threshold value. The image processing unit 104 further segments the plurality of objects into masked objects and unmasked objects. Further, the masked objects are enhanced by adjusting threshold value corresponding to each pixel associated to each masked object based upon dynamic threshold values. Further, an enhanced image is generated by combining the masked objects with the unmasked objects.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8200/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/09/2015 (43) Publication Date: 25/09/2015

## (54) Title of the invention: COPOLYMER LATEX FOR ADHESIVE AND ADHESIVE COMPOSITION

(51) International :C09J109/10,C09J11/04,C09J11/06 classification

(31) Priority Document No :2013057098

(32) Priority Date :19/03/2013 (33) Name of priority country: Japan

(86) International Application :PCT/JP2014/053852

No :19/02/2014

Filing Date :WO 2014/148178

(87) International Publication

(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)NIPPON A & L INC.

Address of Applicant: Sumitomo Bldg. 5 33 Kitahama 4

Chome Chuo ku Osaka shi Osaka 5418550 Japan

(72)Name of Inventor: 1)TANEMURA Atsumi 2)MISAKI Kimio 3)MAKI Koichi

A copolymer latex for an adhesive containing: a copolymer latex obtained by copolymerizing an aliphatic conjugated diene monomer and another monomer copolymerizable therewith; an alkali metal salt of a carboxylic acid; and a carbonate of a divalent metal.

No. of Pages: 22 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2143/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: GREEN FORM EXPANDABLE POLYSTYRENE RESIN

(51) International classification	:C08J9/22	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VANKAYALA RAVI KISHORE
(32) Priority Date	:NA	Address of Applicant :Plot.No. 668, Sector 7B, Faridabad,
(33) Name of priority country	:NA	Haryana 121 006, India Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VANKAYALA RAVI KISHORE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method of preparing green form polystyrene resin. More specifically, recyclable expandable material from general waste is made use of along with virgin expandable material and virgin hardening polymer for preparing green form polystyrene resin. Further, extruding the mixture yields green form compounded polystyrene resin with high melt flow index or gas injection into the green form compounded polystyrene resin results in synthesis of green form expandable capsules or beads thereof with desired properties. The present invention further facilitates the production of polystyrene molded foam used for insulation by puffing expandable green form capsules with pre-expander.

No. of Pages: 18 No. of Claims: 8

(22) Date of filing of Application :08/10/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: GAS CLEANER AND GASIFIER THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C10G 69/00 :NA	(71)Name of Applicant: 1)ANKUR SCIENTIFIC ENERGY TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant : Ankur™, Near Federal Bank, GIPCL
(33) Name of priority country	:NA	Circle, Sama Road, Vadodara 390024 Gujarat INDIA Gujarat
(86) International Application No	:PCT//	India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAGORI, Govind Prasad
(61) Patent of Addition to Application Number	:NA	2)JAIN, Bhag Chand
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ProdyoVidhi Ref. CIAS.0011.IN ABSTRACT GAS CLEANER AND GASIFIER THEREOF • A gas cleaner, a gasifier comprising the gas cleaner and method of manufacturing the gas cleaner and the gasifier is provided. The gas cleaner comprises a receiver that receives fuel-gas from a gasifier and the receiver includes a temperature controller to regulate temperature of the fuel-gas. A first filter coupled to the receiver having coating of an inert material and a second layer and the fabric filter is configured to operate at a temperature range within which the fuel-gas maintains gaseous state. A condenser coupled to the first filter, to control the temperature of the fuel-gas to obtain condensate by condensing constituents of the fuel-gas that are condensable and to facilitate dissolving constituents of the fuel-gas dissolvable in the condensate. FIG. 1 ProdyoVidhi Ref. CIAS.0011.IN

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

(22) Date of filing of Application :25/09/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: GASIFIER AND METHOD THEREOF

	:C10J3/46,	(71)Name of Applicant :
(51) International classification	C10J3/56,	1)Ankur Scientific Energy Technologies Pvt. Ltd.
	C10J3/48	Address of Applicant : Ankur™, Near Federal Bank, GIPCL
(31) Priority Document No	:NA	Circle, Sama Road, Vadodara 390024 Gujarat INDIA Gujarat
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)JAIN, Bhag Chand
Filing Date	:01/01/1900	2)CHAKRABORTY, Sumitro
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ProdyoVidhi Ref.: CIAS.0010.IN ABSTRACT GASIFIER AND METHOD THEREOF • The subject matter provides a gasifier, a method of manufacturing a gasifier, a controller for the gasifier and a method for manufacturing the controller. The gasifier includes a reactor, a feeder, an extractor, and an outlet, each of the feeder, the extractor, and the outlet is coupled to the reactor and the reactor is configured to generate fuel-gas from base-fuel. Gasifier includes a sensor unit provided in the reactor and a controller. The controller is configured to receive: a first signal; a second signal; and a sensor-signal. The first signal being indicative of rate of fuel-gas extraction; the second signal being indicative of physical parameter of base-fuel, and the sensor-signal is received from the sensor unit. The controller is configured to generate a thermodynamic indicator based on the first signal and the second signal and monitor the sensor-signal and trigger at least one of the feeder, the extractor and the outlet according to the thermodynamic indicator and the sensor-signal. FIG. 1 ProdyoVidhi Ref.: CIAS.0010.IN

No. of Pages: 32 No. of Claims: 24

(22) Date of filing of Application :04/04/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : CENTERED SQUEEZE FILM DAMPER WITH ELASTRO HYDRODYNAMIC LUBRICATION SYSTEM FOR HIGH SPEED CENTRIFUGAL FAN/COMPRESSOR/PUMPS/TURBINES

(51) Intermediated algorification	.E16E15/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)V.R. KUMAAR
(32) Priority Date	:NA	Address of Applicant :NO. 3, ARUNACHALA
(33) Name of priority country	:NA	APARTMENT FIRST FLOOR NO.9, GANAPATHI STREET
(86) International Application No	:NA	RAM NAGAR, AMBATTUR, CHENNAI - 600 053 Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)V.R. KUMAAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Center Squeeze Film Damper with Elastro Hydrodynamic Lubrication System for High Speed Centrifugal Fan / Compressor/pump/turbine. The invention discloses a cylindrical type squeeze film damping element which is centrally located and mounted over the rolling element bearings. The outer diameter of the said damper is permitted to move radial but is prevented to move axially from spinning and is locked with spring tensioner for anti-rotation. The outer diameter of the squeeze film damper operates against the bearing housing support, which acts as the damper for bearing. The gap between the squeeze film dampers and the bearing housing is filled by the lubricant upon which both side ends are sealed to hold the pressure. During the operation, the journal moves due to the rotor dynamic forces and the fluid is displaced to accommodate this motion. As a result, the generated hydrodynamic forces in the oil film which is developed between the damper journal and the bearing housing is dissipated from the housing. This helps to dissipate the vibration energy and lower the forces transmitted to the support structure. Fig.l

No. of Pages: 17 No. of Claims: 5

(22) Date of filing of Application :18/07/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: QUAD CORE BOWTIE PATCH ANTENNA FOR MULTI FREQUENCY ADAPTABILITY

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VELTECH DR. RR & SR TECHNICAL UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :#42, AVADI-VELTECH ROAD,
(33) Name of priority country	:NA	CHENNAI - 600 062 Tamil Nadu India
(86) International Application No	:NA	2)R. PRASANNA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R. PRASANNA
(61) Patent of Addition to Application Number	:NA	2)R. GOWRISHANKAR RAO
Filing Date	:NA	3)N.G. RENGANATHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The antenna proposing here will have the tendency to work in multi frequency requirements and the system will have the ability to have priority in frequency switching. There is no employing of movable parts in this antenna module so noise will be very low and the system will consume low power than the existing radar system. This system will be adaptable to eight frequencies unlike the normal patch restricted to only one frequency at a time and the salient feature is the usage of dielectric which will control the radiation pattern with the change in the charge. The technology is being targeted at the following applications: Commercial automotive, High Speed train, Aeronautical and Military mobile terminals. Commercial automotive is for supporting live satellite TV broadcasts while on the move. High Speed train is for supporting RX-only and two way web-based services available to passengers for business and infotainment. Aeronautical is for combining the low profile of a phased array with the economics of a reflector, providing airline passengers with internet access on long haul flights. Military mobile terminals are for providing up-to-the-minute tactical and logistical information via satellite to the battlefield.

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

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: WIRELESS POWER TRANSMISSION-A NEXT GENERATION POWER TRANSMISSION 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>	:G01R :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)VELTECH DR. RR & DR. SR TECHNICAL UNIVERSITY  Address of Applicant:#42, AVADI-VELTECH ROAD, AVADI, CHENNAI - 62, Tamil Nadu India (72)Name of Inventor:  1)JIBANPRIYA DEVI 2)R.PRASANNA
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### (57) Abstract:

Wireless power transmission is the only process through which we could eliminate the existing system of high power transmission lines, towers and substations, which is inefficient and costly way of energy transmission. This will lead to a globally efficient and cheap transmission system. In this invention, we are presenting, the concept of transmitting power without using wires i.e., transmitting power as microwave from one place to another in order to reduce the transmission and distribution losses effective infrastructure. Magnetic resonance method is used for transmitting power with the help of two coils. The receiver side coil can be incorporated with any battery operated devices for receiving the power without wires. Thus battery is charged by the receiving device.

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

(22) Date of filing of Application :25/08/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SEGMENTED PATCH ANTENNA RADAR FOR GROUND PENETRATING RADAR APPLICATIONS

(51) International classification	·H010	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VELTECH DR. RR & DR. SR TECHNICAL
(32) Priority Date	:NA	UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :NO.42, AVADI-VELTECH ROAD,
(86) International Application No	:NA	AVADI, CHENNAI - 62, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R.PRASANNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention deals with the design of segmented patch antenna implemented according to the total morphing approach. The segmented patch is designed as extension of reference bowtie antenna, suitable for a stepped frequency Ground Penetrating Radar (GPR)applications, with geometric variable in order to work in different operating conditions. The segmented one is tested with the work frequency of 2.54 GHz (ISM band) using reflector technique, so as to compare the far-field effects and gain of each design. The purpose of this invention is to design a highly directive, low cost, low profile and easily reproducible antenna. This antenna was designed for the use of WLAN 802.11. To achieve this goal we identified 4 main objectives. The antenna must have high gain, low build cost, small and light weight design, and easy to manufacture.

No. of Pages: 17 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4655/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: OUTER TO INNER AIR-COOLER SYSTEM FOR NON A/C CAR

F28F	(71)Name of Applicant:
NA	1)BHARATH UNIVERSITY
NA	Address of Applicant :173, Agharam Road, Selaiyur, Chennai
NA	600 073 Tamil Nadu India
NA	(72)Name of Inventor:
NA	1)Dr.Naveen Chandran
NA	2)Thamodharan
NA	
NA	
NA	
NA	
	NA NA NA NA NA NA NA NA

## (57) Abstract:

This invention discloses the use of an air-cooling system for Non Air conditioned cars by passing outside air through copper tubes with fin type condenser.

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

(21) Application No.4765/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :08/09/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: VIRAL & BACTERIAL KILLER MOBILE MACHINES

## (57) Abstract:

This invention relates to a mobile equipment to clean and disinfect air, by killing all virus and bacteria in the atmospheric air. The equipment contains various tubes through which the atmospheric air is circulated to obtain clean, fresh and ozonised air.

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

(22) Date of filing of Application :08/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR DYNAMIC SELECTION OF MEDIA SERVER IN A COMMUNICATION NETWORK

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SWAMINATHAN SEETHARAMAN
(87) International Publication No	: NA	2)RAMESH NADHAVAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This disclosure relates generally to communication network, and more particularly to a system and method for dynamic selection of media server in a communication network. In one embodiment, a method is provided for selecting a new media server to optimize a communication network. The method comprises monitoring at least one of a user characteristic, a session characteristic, and a network condition during an ongoing communication session involving an existing media server, determining a need for selection of a new media server based on at least one of the user characteristic, the session characteristic, and the network condition, and dynamically selecting the new media server to optimize the communication network in response to the need. The step of dynamically selecting comprises determining a plurality of overall network path lengths between each of a plurality of selectable media servers and a plurality of user equipments involved in the ongoing communication session. Figure 4

No. of Pages: 38 No. of Claims: 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4398/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HILL CLIMBING PROBLEM

(51) International classification :B08B (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)VELTECH DR. RR & DR. SR TECHNICAL UNIVERSITY  Address of Applicant: NO-42, AVADI-VELTECH ROAD, AVADI, CHENNAI - 62, Tamil Nadu India (72)Name of Inventor:  1)MAYANK BHARDWAJ 2)ADITYA SHEKHAR
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#### (57) Abstract:

The Purpose of the invention entitled as HILL CLIMBING PROBLEM is to find the solution of Hill Climbing problem for randomly generated objects of irregular dimensional shapes. In the present solution of the problem an object with the pre-defined shape and size can reach to the destination which is the top of the hill. The problem is with the irregular size objects which tend to be rigid and they cannot reach to the top of the hill due to the local Maxima and Minima problem. The concepts of hill climbing algorithm can be successfully applied when the object under consideration is of a definite shape & size. The difficulty arises when the object is irregular in nature and the shape & size is not predefined. Our final goal of this invention is to find the solution for an irregular size object to reach to the destination. Contradiction is that the object with the irregular shape and size will reach to the destination but after the certain consistent in synapses. In the existing solution we have Simple Hill Climbing and Steepest Ascent Hill Climbing. However, both these form fails when there are no closer nodes. This may happen when we arrive at local maxima, which is not actually the global peak. One way to get around the problem in hand which we will be using is to find a saturation point using Simulated Annealing and then get to the final solution using a Metaheuristic Approach. Accepting worse solutions is a fundamental property of Metaheuristic, because it allows for a more extensive search for the optimal solution. Once the saturated point is obtained, i.e. the maxima is reached, the solution can be optimized using Metaheuristic Approach.

No. of Pages: 9 No. of Claims: 5

(21) Application No.4743/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :07/09/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TEETH GAP MEASUREMENT EQUIPMENT FOR ORTHODONTIST

#### (57) Abstract:

This invention relates to the field of medical equipment and more particularly to equipment for measurement of gap between teeth. Two sensor units are used in this equipment. One clip sensor will be connected with one end gap tooth and other clip sensor will connect with other end gap tooth. The sensing equipment will display the exact gap in mm of distance between teeth. Based on the distance between the teeth, the dentist can start the treatment.

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

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 25/09/2015

### (54) Title of the invention: PROJECT FEEDBACK MANAGEMENT SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA	(71)Name of Applicant: 1)VELTECH DR. RR & DR. SR TECHNICAL UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :#42, AVADI-VELTECH ROAD,
(86) International Application No	:NA	AVADI, CHENNAI - 62, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ABHINEET KUMAR
(61) Patent of Addition to Application Number	:NA	2)GAURAV THAKUR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Learning is a two step process. So, as much as theoretical knowledge is important, knowledge about the practical implementation is also emphasized upon. And a very good example of this can be seen in the curriculum of the bachelors degree program of our education system. Every student has to do at least one project either from their respective institutions or in collaboration with some external organization. Also, every student is assigned an internal project guide who supervises the project. A project is not a one man job. So, every project consists of at least two members, supervised by the same internal guide. Now, if these students do their project from an external organization, then balancing between the institution and the organization becomes hectic. This is where Project Feedback Management System comes into play. We have devised an automated web based application to facilitate the communication and feedback about the project between the students, and their respective internal guides. Our system has different functionalities which facilitates the interaction between the students and their internal guides. It provides different functionalities based on the type of user logged in. If the logged user is an internal guide, functionalities such as logging of a feedback, reviewing of a particular task, etc. At the same time if the logged user is a student, the functionalities are restricted to just viewing the task and clarifying their doubts.

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

(22) Date of filing of Application :07/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SINGLE CHAMBER AIR RELEASE VALVE - SHAPE OPTIMIZATION FOR ANTI-SURGE PROTECTION

(51) Intermetional algorification	.E02D	(71) Nome of Ambient
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)MCWAVE SERVICES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :NO.62, 5TH FLOOR, TIMES
(33) Name of priority country	:NA	SQUARE, ATT COLONY, DR. BALASUNDARAM ROAD,
(86) International Application No	:NA	COIMBATORE - 641 018, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RETHINAVEL RAJA
(61) Patent of Addition to Application Number	:NA	2)S.BALADHANDAPANI
Filing Date	:NA	3)R.BALAJI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Kinetic Air release Valve will be having mainly three functions, (1) to escape the air during filling of water (2) to allow air to enter into the pipe system during draining of water from the system, (3) to release the air getting trapped during normal operation of the piping system. But during the surge phenomenon, the water entering velocity is high and conventional kinetic valves will not react to this situation, resulting in sudden increase in transient pressure. This increase in transient pressure is high than the normal design pressure of the pipes and valves in the system and thereby damaging them. Utilizing the Bernoullis principle, the shape of the body and shape of the floats are designed in this invention. This will result in allowing the air escaping into atmosphere, in a controlled way, during the occurrence of surge phenomenon. Hence resulting in limiting the transient pressure and protecting the pipes and valves in the system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5391/CHENP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: ROTARY HEARTH FURNACE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2013084090	1)CHUGAI RO CO. LTD.
(32) Priority Date	:12/04/2013	Address of Applicant :3 6 1 Hiranomachi Chuo ku Osaka shi
(33) Name of priority country	:Japan	Osaka 5410046 Japan
(86) International Application No	:PCT/JP2014/055371	(72)Name of Inventor:
Filing Date	:04/03/2014	1)SHIMADA Atsushi
(87) International Publication No	:WO 2014/167916	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a rotary hearth furnace equipped with an eccentric rotation suppression function with which eccentric rotation of the hearth can be suppressed appropriately during startup and low temperature operation as well as during high temperature operation even when the hearth is large and when the circumferential rotational velocity is increased and which is compact and has a simple configuration enabling the installation space and the manufacturing cost to be reduced. This rotary hearth furnace is equipped with: an annular hearth (4) rotationally driven in the horizontal plane on an installation base (2); a ring body (11) provided under the hearth and concentric with the annular hearth; multiple lever arms (12) arranged at equal intervals in a circular fashion on the installation base and having pressure receiving rollers (16) which are pressed by the ring body in response to displacement of the hearth within the horizontal plane; and spring units (17) which are provided on the installation base and bias the lever arms so as to push back against the ring body in response to the pressing of the pressure receiving rollers of the lever arms.

No. of Pages: 40 No. of Claims: 7

(22) Date of filing of Application :24/08/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : B AND T CELL SPECIFIC PEPTIDES OF LEPTOSPIRAL PROTEIN LK90 FOR THE DIAGNOSIS LEPTOSPIROSIS

(51) International classification	:C07K14/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Bharathidasan University
(32) Priority Date	:NA	Address of Applicant :The Registrar Bharathidasan University
(33) Name of priority country	:NA	Palkalai Perur Bharathidasan University Tiruchirapalli 620 024
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. K. Natarajaseenivasan
(61) Patent of Addition to Application Number	:NA	2)Dr. S. Shanmughapriya
Filing Date	:NA	3)Mr. M. Kanagavel
(62) Divisional to Application Number	:NA	4)Ms. K. V. L. Aishwarya
Filing Date	:NA	

#### (57) Abstract:

The present invention pertains to three peptides HSSNNSVATC • , SNAQKNQGNC • and DHHTQSSYTC • with greater BCP red and VaxiJen score were selected for chemical synthesis. Further these epitopes were found to be highly conserved among all pathogenic Leptospira species by multiple sequence alignment. The three peptides were synthesized with biotin at the N-terminal linked to the peptide sequence through a spacer sequence of SGSG • to improve the solubility of the peptide and the ease to perform ELISA.

No. of Pages: 11 No. of Claims: 3

(22) Date of filing of Application :09/09/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A METHOD TO ISOLATE ISOKAEMPFERIDE FROM ACALYPHA ALNIFOLIA

(74) 7	A 54 X 70 5 /00	
(51) International classification	:A61K36/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PONNUSAMY REVATHI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY
(33) Name of priority country	:NA	BHARATHIAR UNIVERSITY, MARUTHAMALAI MAIN
(86) International Application No	:NA	ROAD, COIMBATORE - 641 046, Tamil Nadu India
Filing Date	:NA	2)DR.THANGARAJ PARIMELAZHAGAN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PONNUSAMY REVATHI
Filing Date	:NA	2)DR.THANGARAJ PARIMELAZHAGAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Pharmaceutically potent flavone compound isokaempferide was isolated first time from Acalypha alnifolia by a method of column chromatography. Based on the solvent nature the crude extracts obtained from the plant leaf. The high polar solvent extracts gave better antioxidant and pharmacological activities which mainly coincident with secondary metabolites quantity. The acetone extract have focused for compound isolation because of its better activity than methanol extract in most of the experimental attempt. By the way acetone extract engaged through the column chromatography with sequential changes in mobile phase from low to high polar solvents. This successivemobile phase is lying behind the compoundseparation from the crude. The chloroform :ethylacetate fraction of silica gel column chromatography yields isokaempferide better from acetone extract of A. alnifolia. Though isokaempferide isolated previously from other sources this method of isolation from Acalypha alnifolia is the first effort and easily achievable.

No. of Pages: 15 No. of Claims: 4

(22) Date of filing of Application :09/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ISOLATION OF COMPOUNDS WITH ANTI-DIABETIC POTENTIALS FROM SYZYGIUM MUNDAGAM

(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAHUL CHANDRAN
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY
(33) Name of priority country	:NA	BHARATHIAR UNIVERSITY, MARUTHAMALAI MAIN
(86) International Application No	:NA	ROAD, COIMBATORE - 641 046, Tamil Nadu India
Filing Date	:NA	2)DR.THANGARAJ PARIMELAZHAGAN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAHUL CHANDRAN
Filing Date	:NA	2)DR.T.PARIMELAZHAGAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An attempt was made to study the pharmacological property and phytochemical constituents of Syzygium mundagam. From the in vitro antioxidant and antidiabetic study in animal models it was concluded that the bark extract of the plant could be the best candidate for the isolation of compounds for the said activity. Hence five new compounds were isolated for the first time from the plant with the help of TLC and column chromatography. Various solvent combinations of toluene, chloroform, ethyl acetate, methanol, acetone, acetic acid used for the isolations are developed for the first time for these isolations. Compound 1 (l,5b,7,7,13 - pentamethylicosahydro - IH-cyclopenta[a]chrysene-3a,9 - dicarboxylic acid), compound 2 (lll-dimethoxy-eab-pentamethyl-oxoaab, 7,8,8a, 9,10,11,12,12a, 14,14a, 14b-octadecahydro-IH-phenanthro [1,2-c] chromene-8a-carboxamide), compound 3 (2-(4-hydroxy-5,5-dimethoxy-2,3,3-trimethylcyclohexyl)-3-methyl-4-oxochroman-5,7-dicarboxylic acid), compound 4 (l,7,7,13-tetramethoxy-5b-methylicosahydro-IH-cyclopenta[a]chrysene-3a,9-dicarboxylic acid) and compound 5 [(2Z,6Z,10E,14E,18E,22E) -2,23-dimethoxy -6,10,15,19 - tetramethyltetracosa-2,6,10, 14,18,22-hexaene] could be taken as the novel source of phytocompounds for the development of drug against diabetes.

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

(21) Application No.4895/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :15/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FORMAL & CASUAL TROUSERS IN KNITTED FABRIC

(51) International classification	:A41D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)S.A.SAKTHI GANESH
(32) Priority Date	:NA	Address of Applicant :NO.630A, GOKULAKRISHNA
(33) Name of priority country	:NA	NAGAR, PALLADAM ROAD, VEERAPANDI POST,
(86) International Application No	:NA	TIRUPUR 641 605, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S.A.SAKTHI GANESH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
	:NA	

# (57) Abstract:

A novel method of producing Formal and Casual Trousers for Men and Women in knitted fabric is disclosed here. The trousers so produced have ultimate comfort and stretch qualities.

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

(21) Application No.4825/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :10/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: OXYGEN ENRICHED WATER

(51) International classification	:A23L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANNE RAMU
(32) Priority Date	:NA	Address of Applicant :H. No. 2-2-3/130, TRT 121, TRT
(33) Name of priority country	:NA	Quarters, Vidyanagar, Hyderabad-500044, Telangana, India.
(86) International Application No	:NA	Telangana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MANNE RAMU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a drink comprising of water enriched with a predetermined quantity of oxygen. The drink contains oxygen ranging from about 10% to about 27% more than the concentration of oxygen in purified water. The drink can be categorized into three types as normal, high and ultra-high depending on the varying quantities of oxygen employed for enriching the water. The drink can be used by healthy people, sportspersons and patients across all age groups.

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

(21) Application No.4826/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :10/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : USB EXTENDABLE MOBILE PHONE CHARGING (NO WIRE)-USB IN BETWEEN PHONE & ELECTRICAL POINT

(51) Intermedianal alassification	.11021	(71)Nama of Amiliana
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARATH UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :173, Agharam Road, Selaiyur, Chennai
(33) Name of priority country	:NA	600 073 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Prakash
(87) International Publication No	: NA	2)Rajendran
(61) Patent of Addition to Application Number	:NA	3)Rajesh.S
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention discloses a device to help the electrical charging of a device wirelessly without the use of cables.

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

(21) Application No.4828/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :11/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HANDHELD MECHANICAL WEED PLUCKER FOR PULLING SINGLE OR CLUSTER OF WEEDS

(51) International classification	:A01B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VINOD KUMAR PR
(32) Priority Date	:NA	Address of Applicant :POOKKUNNATH(H) NEAR
(33) Name of priority country	:NA	UTHRALIKAVU KUMARANELLUR PO PIN 680 590
(86) International Application No	:NA	THRISSUR DISTRICT Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VINOD KUMAR PR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Handheld Mechanical Weed Plucker for pulling single or Cluster of Weeds comprising of a handle fixed on one end of a rigid rod carrying a one movable upper jaw and static lower jaw at other end, a spring for moving upper at one end, means for moving the upper jaw relatively to each other in downside direction, both jaws having a plurality of teeth having portions which converge toward the points of the teeth and thereby form a firm grip on the weed and weed could pulled by lifting the device. When the handle lever is pulled back the upper jaws moves downwards and lower jaw remains static. The jaws converge when the handle lever placed inside the handle is pulled backwards, since the lever is attached to an iron cable on one side and the jaws at the other end. The user gets a firm grip over the grass or a cluster of weeds and the weeds so captured could be easily plucked and removed

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

(21) Application No.4823/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :10/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INDEX FINGER SCANNER AND READER FOR BLIND PEOPLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06K :NA :NA	(71)Name of Applicant:  1)BHARATH UNIVERSITY  Address of Applicant:173, Agharam Road, Selaiyur, Chennai
(33) Name of priority country	:NA	600 073 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr.K.P.Thooyamani
(87) International Publication No	: NA	2)Dr.J.Sundeep Aanand
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention discloses a device to help the visually impaired person to be able to read documents. The device contains a scanner and reader that is worn as a ring on the finger of the user. The scanner scans the document, line by line and the same is processed by a processor to convert to audio form, which is communicated to the user.

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

(22) Date of filing of Application :11/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : AMPHIBIOUS SOLAR ANTENNA MODULE (ANTSOL) FOR NEXT GENERATION COMMUNICATION

(51) International classification	:H01Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VELTECH DR. RR & DR. SR TECHNICAL
(32) Priority Date	:NA	UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :NO.42, AVADI-VELTECH ROAD,
(86) International Application No	:NA	AVADI, CHENNAI - 62, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R.PRASANNA
(61) Patent of Addition to Application Number	:NA	2)C.MALATHI
Filing Date	:NA	3)MANOJ ARAVIND.S
(62) Divisional to Application Number	:NA	4)CHAMAN SHISHODIA
Filing Date	:NA	5)ADARSH KUMAR GUPTA.B

#### (57) Abstract:

Antennas and solar cells compete for limited available surface in satellite space crafts. An appropriate combination of the two can save valuable real estate. This novel hybrid technology where amorphous silicon (a-Si:H) solar cells are either integrated or physically combined with printed slot antennas is presented. This basic idea is demonstrated with the help of two innovative designs where the solar cells are directly grown on a stainless steel ground-plane or glued onto a standard copper layer printed on a dielectric substrate. To show the compatibility of solar cells and antennas, the concept is used to create a linearly polarized slot antenna, a circularly polarized slot antenna and a slot array. This concept offers advantages in terms of surface coverage, volume, weight and electric performance when compared with a simple juxtaposition of antennas and solar cells.

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

(22) Date of filing of Application :16/09/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PROCESS OF PREPARATION OF OXIDE THIN FILM USING THERMO-MAGNETIC SET UP

(51) International classification :B82Y25/ (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)INSTITUTE OF TECHNICAL EDUCATION & RESEARCH (ITER) SIKSHA 'O' ANUSANDAN UNIVERSITY, BHUBANESWAR  Address of Applicant: SEMICONDUCTOR RESEARCH LAB DEPARTMENT OF PHYSICS INSTITUTE OF TECHNICAL EDUCATION & RESEARCH (ITER) SIKSHA 'O' ANUSANDAN UNIVERSITY, BHUBANESWAR-751030 INDIA (A DEEMED UNIVERSITY DECLARED U/S 3 OF THE UGC ACT, 1956 ACCREDITED WITH NAAC WITH A GRADE) Orissa India (72)Name of Inventor:  1)DR. SUSHANTA KUMAR KAMILLA 2)DR. PRIYABRATA PATTANAIK
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# (57) Abstract:

This invention relates to a process of preparing oxide thin film from sol gel solution on different substrates and in particular, this invention relates to a process of preparing oxide thin film wherein single dip and uniform coating is needed to grow a thin film. More particularly, this present invention relates to an apparatus for preparing oxide thin film. Furthermore, this invention also relates to an apparatus for preparing oxide thin film by thermo-magnetic chemically wet and dry (CWD) technique i.e. in-situ thermal annealing facility in presence of magnetic field for spintrOnics/optoelectronics and different sensor applications.

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

# **Publication After 18 Months:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.10993/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: AN AIRLESS TYRE FOR VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:2011/03770 :24/05/2011 :South Africa	(71)Name of Applicant:  1)PROSPECT SA INVESTMENTS 121 LIMITED  Address of Applicant: 5 Teengs Street Neserhof Klerksdorp 2570 South Africa (72)Name of Inventor:  1)LABUSCHAGNE Pieter Johannes
<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:

A non inflatable vehicle tyre (1) comprising a rubber carcass (3) moulded to fit and be secured to a wheel rim (2) with a series of equally spaced passages (9) extending transversely through the carcass (3) to provide resilient supporting ribs (SO) between the passages (9) and having a road engaging tread (5A) moulded to the carcass (3) over a band of flexible steel cord (4A) reinforcing in which the band comprises a plurality of superimposed plies of coated hard steel cord (4A) and in which minor passages (9 A) arc provided through the ribs (10).

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INJECTION MOLDED SCREENING APPARATUSES AND METHODS

(51) International classification	:B07B1/46,B01D25/00	(71)Name of Applicant:
(31) Priority Document No	:61/652039	1)WOJCIECHOWSKI Keith F.
(32) Priority Date	:25/05/2012	Address of Applicant :5549 Lakeshore Road Lakeview NY
(33) Name of priority country	:U.S.A.	14085 U.S.A.
(86) International Application No	:PCT/US2013/030960	(72)Name of Inventor:
Filing Date	:13/03/2013	1)WOJCIECHOWSKI Keith F.
(87) International Publication No	:WO 2013/176747	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Screening members screening assemblies (10) methods for fabricating screening members and assemblies and methods for screening materials are provided for vibratory screening machines that incorporate the use of injection molded materials. Use of injection molded screen elements (16) provide inter alia for: varying screening surface configurations; fast and relatively simple screen assembly fabrication; and a combination of outstanding screen assembly mechanical and electrical properties including toughness wear and chemical resistance. Embodiments of the present invention use a thermoplastic injection molded material.

No. of Pages: 168 No. of Claims: 153

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: CENTRIFUGAL CYCLONE SEPARATOR

(51) International classification: B04C5/06, B04C5/103, B04C5/107 (71) Name of Applicant: (31) Priority Document No :NA

(32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/SG2012/000243 No

Filing Date

:06/07/2012

(87) International Publication

:WO 2014/007755

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

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

1)PRACTICAL ANALYZER SOLUTIONS PTE. LTD.

Address of Applicant :32 Ang Mo Kio Industrial Park 2 Sing Industrial Complex #06 13 Singapore 569510 Singapore

(72) Name of Inventor:

1)LOH Chee Hoong

2)LAU Heng Yuan Paul 3) CHENG Boon Ping Justin

4)LIN Yi Yu

#### (57) Abstract:

At least one embodiment of the invention relates to a centrifugal/ cyclone separator which separates particles liquid droplets and or condensing mists (water based and or hydrocarbon based nature) from gases without using a filter element. The design relies on the use of the inlet spiral tube a first conical fin and the second conical fin and the step on the cylindrical body and the extension of the vortex finder below second conical fin. With another embodiment the design differs in that it relies on the insert with threaded or open area forming a flow path like spiral tube while relying on the same or similar components as with the first embodiment listed above.

No. of Pages: 25 No. of Claims: 23

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SUPERCOILED MINIVECTORS AS A TOOL FOR DNA REPAIR ALTERATION AND REPLACEMENT

(51) International classification (31) Priority Document No	:A61K48/00 :61/653279	(71)Name of Applicant: 1)BAYLOR COLLEGE OF MEDICINE
(32) Priority Date	:30/05/2012	Address of Applicant :One Baylor Plaza Houston TX 77030
(33) Name of priority country	:U.S.A.	3411 U.S.A.
(86) International Application No	:PCT/US2013/043433	
Filing Date	:30/05/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/181440	1)ZECHIEDRICH E. Lynn
(61) Patent of Addition to Application	:NA	2)FOGG Jonathan
Number	:NA	3)CATANESE JR. Daniel James
Filing Date		4)BAKKALBASI Erol
(62) Divisional to Application Number	:NA	5)MAIZEL Nancy
Filing Date	:NA	6)HUMBERT Olivier

#### (57) Abstract:

In some embodiments the present disclosure provides a composition for targeted alteration of a DNA sequence and methods of altering the targeted DNA sequence using the composition. In some embodiments such a composition comprises a MiniVector comprising a nucleic acid sequence template for homology directed repair alteration or replacement of the targeted DNA sequence within a cell in vivo or in vitro where the MiniVector lacks both a bacterial origin of replication and an antibiotic selection gene and wherein the Mini Vector has a size up to about 2 500 base pairs.

No. of Pages: 43 No. of Claims: 35

(21) Application No.10997/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: SUNSCREEN COMPOSITIONS CONTAINING AN ULTRAVIOLET RADIATION ABSORBING **POLYESTER**

(51) International classification :A61K8/06,A61K8/55,A61K8/85 | (71) Name of Applicant:

(31) Priority Document No :13/535899 (32) Priority Date :28/06/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/046326

:18/06/2013

Filing Date (87) International Publication No:WO 2014/004171

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

:NA Number :NA

Filing Date

1)JOHNSON & JOHNSON CONSUMER COMPANIES

Address of Applicant: 199 Grandview Road Skillman New

Jersey 08558 U.S.A. (72)Name of Inventor: 1)DALY Susan

2)BURGO Rocco Vincent

# (57) Abstract:

Compositions including a discontinuous oil phase substantially homogeneously dispersed in a continuous water phase the oil phase including a sunscreen agent that includes a UV absorbing polyester in an amount effective to provide the composition with an SPF of about 10 or greater and which is the polymerization reaction product of monomers including a UV absorbing triazole a diester a diol and a tetrol polyol; and an oil in water emulsifier component including an anionic oil in water emulsifier in an amount such that the composition includes about 0.3 percent or more by weight to about 3 percent by weight of the anionic oil in water emulsifier where the composition is substantially free of a non polymeric UV absorbing sunscreen agent and has an SPF of less than 2 in the absence of the UV absorbing polyester.

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

(22) Date of filing of Application :23/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : PROCESS FOR PRODUCING A BELITE CEMENT HAVING A HIGH REACTIVITY AND A LOW CALCIUM/SILICATE RATIO

<ul><li>(51) International classification</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>	:C04B7/345 :12004620.6 :20/06/2012 :EPO :PCT/EP2013/001690	(71)Name of Applicant: 1)HEIDELBERGCEMENT AG Address of Applicant: Berliner Str. 6 69120 Heidelberg Germany (72)Name of Inventor:
Filing Date (87) International Publication No	:10/06/2013 :WO 2013/189573	1)BEN HAHA Mohsen 2)LINK Tim
<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)BELLMANN Frank 4)LUDWIG Horst Michael

#### (57) Abstract:

The invention relates to a process for producing a binding agent comprising the steps: a) providing a starting material made of raw materials which has a molar Ca/Si ratio of 1.5 to 2.5 during the determination of which constituents which behave inertly during the hydrothermal treatment in autoclaves are disregarded b) mixing the raw materials c) hydrothermally treating the starting material mixture produced in step b) in the autoclave at a temperature of 100 to 300° C followed by residence time of 0.1 to 24 hours wherein the water/solids ratio is 0.1 to 100 d) annealing the intermediate product obtained in step c) at 350 to 495° C wherein the heating rate is 10 6000° C/min and the residence time is 0.01 600 min wherein during the mixing b) and/or in the following steps 0.1 to 30% by weight of additional elements and/or oxides are added. The invention further relates to a binding agent obtained in this way and to the use thereof.

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

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PRINTING OF LIQUID CRYSTAL DROPLET LASER RESONATORS ON A WET POLYMER SOLUTION AND PRODUCT MADE THEREWITH

(51) International classification	:C09K19/52,G02F1/00	(71)Name of Applicant:
(31) Priority Document No	:1209235.9	1)CAMBRIDGE ENTERPRISE LIMITED
(32) Priority Date	:25/05/2012	Address of Applicant :The Old Schools Trinity Lane
(33) Name of priority country	:U.K.	Cambridge Cambridgeshire CB2 1TN U.K.
(86) International Application No	:PCT/GB2013/051368	(72)Name of Inventor:
Filing Date	:24/05/2013	1)COLES Harry
(87) International Publication No	:WO 2013/175225	2)HUTCHINGS Ian
(61) Patent of Addition to Application	:NA	3)GARDINER Damian
Number	:NA	4)HSIAO Wen Kai
Filing Date	.IVA	5)HANDS Philip
(62) Divisional to Application Number	:NA	6)MORRIS Stephen
Filing Date	:NA	7)WILKINSON Timothy

#### (57) Abstract:

A photonic device is manufactured by: (i) providing (e.g. by inkjet printing) an aliquot of a liquid crystal material (504); and (ii) depositing the aliquot onto the surface of a flowable material layer (502) to form a liquid crystal deposit the flowable material and the LC material being substantially immiscible. The liquid crystal deposit adopts a deformed shape relative to the shape of the aliquot due to interaction with the flowable material layer. This promotes alignment of the LC material. Incorporation of a laser dye allows the photonic device to function as a laser which can be operated above or below threshold depending on the circumstances. The photonic device can also be used as a passive device based on the photonic bandgap of the aligned LC material.

No. of Pages: 52 No. of Claims: 28

(21) Application No.11016/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: FUEL TANK CHECK VALVE

(51) International :B60K15/04,F16K15/00,F16K31/06

classification (31) Priority Document No :61/862501

(32) Priority Date :05/08/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/049737

:05/08/2014

Filing Date

(87) International Publication :WO 2015/021024

(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) EATON CORPORATION

Address of Applicant :1000 Eaton Boulevard Cleveland Ohio

44122 U.S.A.

(72) Name of Inventor:

1)WALTER Stefan 2)SMITH Jeffrey

3)AMBROSE Steven

4) HUSEYIN Mustafa

5)MCLAUCHLAN Raymond Bruce

#### (57) Abstract:

A valve configured for use with a fuel tank can have a floating main valve housed within a valve body. The valve body can define a first port fluidly connected to the fuel tank a second port fluidly connected to a tank venting system of the fuel tank and a third port fluidly connected to the filler neck. The solenoid can be configured on the check valve. The solenoid can have a pin configured to extend into the valve body and engage the floating main valve in a locked position.

No. of Pages: 35 No. of Claims: 20

(21) Application No.11017/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: TORQUE LIMITING 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> <li>(62) Divisional to Application Number</li> </ul>	:14/02/2014 :WO 2015/060890 :NA :NA	(71)Name of Applicant:  1)EATON CORPORATION  Address of Applicant: Eaton Center 1000 Eaton Boulevard Cleveland Ohio 44122 U.S.A.  (72)Name of Inventor:  1)GOPAL Suraj  2)CHAVAN Pradeep Yuvraj  3)MCMILLAN Patrick John
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A selectively lockable differential comprising a plurality of torque sensitive pins an outer housing a first side gear comprising first gear teeth a second side gear comprising second gear teeth a pinion shaft two pinion gears rotationally coupled to the pinion shaft each pinion gear comprising pinion gear teeth coupled to the first gear teeth and the second gear teeth and a collar comprising collar teeth for selectively engaging the gear lugs of the first side gear the torque sensitive pins operatively coupling the collar to the outer housing.

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

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MECHANICALLY ACTUATED POSITIVE LOCKING 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> <li>(62) Divisional to Application Number</li> </ul>	:F16H48/24 :61/891017 :15/10/2013 :U.S.A. :PCT/US2014/019198 :28/02/2014 :WO 2015/057258 :NA :NA	(71)Name of Applicant:  1)EATON CORPORATION  Address of Applicant: Eaton Center 1000 Eaton Boulevard  Cleveland Ohio 44122 U.S.A.  (72)Name of Inventor:  1)WADHVA Ashish  2)EDLER Andrew Nathan  3)MCMILLAN Patrick John
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A differential comprises a first side gear and a second side gear facing the first side gear. A pinion gear set can be between the first side gear and the second side gear. A cam plate comprises a ramped side facing a ramped side of the first side gear. A first lock plate comprises a first side abutting a second side of the cam plate. The first lock plate further comprises a toothed side. A second lock plate comprises a toothed side facing the toothed side of the first lock plate.

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

(21) Application No.11035/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: PARTICLE SIZE REDUCTION

(51) International classification :C08B37/16,C07C7/13,A01N25/12

(31) Priority Document No :61/661935 (32) Priority Date :20/06/2012

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

(86) International Application :PCT/US2013/044657

No :07/06/2013

Filing Date

(87) International Publication :WO 2013/191921

(61) Patent of Addition to
Application Number :NA

Application Number :NA :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant: 1)AGROFRESH INC.

Address of Applicant :400 Arcola Road P.O. Box 7000

Collegeville PA 19426 U.S.A.

(72)Name of Inventor:

1)BECKER Christian Guy 2)JACOBSON Richard Martin 3)STEVENS Bridget Marie

(57) Abstract:

Provided are methods for reducing the size of solid particles based on surprising results that storage with molecular sieves for a period of time can significantly reduce particle sizes. The solid particles may comprise an inclusion complex of a molecular encapsulating agent and a cyclopropene compound. The method comprises mixing a collection of the solid particles with molecular sieves and storing the mixture for a period of time.

No. of Pages: 26 No. of Claims: 29

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: COMPOSITION COMPRISING SUPERABSORBENT POLYMER

:C04B24/26,C04B30/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)UNITED STATES GYPSUM COMPANY :13/525550 (32) Priority Date Address of Applicant: 550 West Adams Street Chicago Illinois :18/06/2012 (33) Name of priority country :U.S.A. 60661 3676 U.S.A. (86) International Application No :PCT/US2013/044911 (72) Name of Inventor: Filing Date :10/06/2013 1)GRUSSING Jeffrey F. (87) International Publication No :WO 2013/191936 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Disclosed is a composition (e.g. a texture composition) comprising consisting of or consisting essentially of calcium carbonate and superabsorbent polymer that can absorb at least about 50 times its mass and having a particle size of about 250 microns or less wherein the composition is substantially free of a setting type cementitious material. In some embodiments cellulosic thickener content is reduced or eliminated from the texture composition. Also disclosed is a method of finishing a substrate comprising applying to the surface a wet composition comprising consisting of or consisting essentially of calcium carbonate and superabsorbent polymer that can absorb at least about 50 times its mass and having a particle size of about 250 microns or less wherein the composition is substantially free of a setting type cementitious material and drying the composition on the substrate.

No. of Pages: 27 No. of Claims: 10

(21) Application No.11038/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: COMPRESSOR COVER FOR TURBOCHARGERS

(51) International classification: F02B39/00,F02B37/00,F02C3/04 (71) Name of Applicant: (31) Priority Document No :61/661126 (32) Priority Date :18/06/2012

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

(86) International Application :PCT/US2013/044918

:10/06/2013 Filing Date

(87) International Publication

:WO 2013/191937

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

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

(57) Abstract:

1)BORGWARNER INC.

Address of Applicant: Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72) Name of Inventor: 1)OLIN Daniel M. 2)ERBER Douglas

A compressor housing (16) for a turbocharger with a recirculation cavity (60) formed between a volute base portion (40) an inducer (44) and an inlet section (46) to bleed airflow from a compressor impeller (14) back into the inlet section (46). Bleed airflow can enter an angled recirculation slot (70) adjacent to the compressor impeller (14) and then flow through a recirculation cavity (60) formed in the compressor housing (16) to an inlet re entry slot (72) in the inlet section (46). Such recirculated airflow can improve surge margin. The inducer (44) includes a ring (50) with an inner surface (56) that preferably aligns with a converging wall (54) of the inlet section (46) which may be a separate piece attachable to a base of the compressor housing (16). Normal airflow from the compressor impeller (14) continues through the volute base portion (40) to an engine intake manifold.

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

(21) Application No.11039/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: LONG POWER STROKE 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</li> <li>Filing Date</li> </ul>	:F02B75/02 :61/690836 :06/07/2012 :U.S.A. :PCT/US2013/000152 :17/06/2013 :WO 2014/007842 :NA :NA	(71)Name of Applicant:  1)WILDENSTEINER Otto M. Address of Applicant: 5 Sanderling Ln Hilton Head SC 29926 U.S.A. (72)Name of Inventor: 1)WILDENSTEINER Otto M.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Means and method of substantially increasing the efficiency of a spark ignition Otto cycle engine. This is done by increasing the stroke length of the pistons and reducing the amount of air (or fuel/air mixture) by means other than the throttle plate taken in on the intake stroke. The amount of air or fuel/air mixture taken in is that which creates the same conditions in the combustion chamber at the conclusion of the compression stroke as exist in prior art engines. The advantage arises from the increase in the length of the power stroke; this extracts more energy from the combustion gases before they are removed on the exhaust stroke and it also increases the torque of the engine as it is well known that torque is a function of stroke length. Extracting more energy from the combustion gases also reduces the amount of heat transferred to the engine block thereby reducing the load on the cooling system.

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

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ATTACHMENT FOR A HAND HELD APPLIANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A45D20/12 :1211829.5 :04/07/2012 :U.K. :PCT/GB2013/051537 :12/06/2013 :WO 2014/006365	(71)Name of Applicant:  1)DYSON TECHNOLOGY LIMITED  Address of Applicant: Tetbury Hill Malmesbury Wiltshire SN16 0RP U.K. (72)Name of Inventor:  1)COURTNEY Stephen 2)MOLONEY Patrick 3)SHELTON Edward
•	:WO 2014/006365 :NA	_
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)JONES David

#### (57) Abstract:

Disclosed is a hair dryer comprising a handle a body comprising a duct a fluid flow path extending through the duct and from a fluid inlet through which a fluid flow enters the hairdryer to a fluid outlet for emitting the fluid flow from a front end of the body a primary fluid flow path extending at least partially through the body from a primary fluid inlet through which a primary fluid flow enters the hairdryer to a primary fluid outlet; a fan unit for drawing the primary fluid flow through the primary fluid inlet and wherein the fluid flow is drawn through the fluid flow path by fluid emitted from the primary fluid outlet and an attachment for adjusting at least one parameter of fluid emitted from the hairdryer the attachment being attachable to the hairdryer so that the attachment protrudes from the front end of the body.

No. of Pages: 80 No. of Claims: 36

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AN ATTACHMENT FOR A HAND HELD APPLIANCE

<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>	:1211837.8 :04/07/2012 :U.K.	(71)Name of Applicant:  1)DYSON TECHNOLOGY LIMITED  Address of Applicant: Tetbury Hill Malmesbury Wiltshire SN16 0RP U.K. (72)Name of Inventor:  1)COURTNEY Stephen 2)MOLONEY Patrick 3)SHELTON Edward 4)FOLLOWS Thomas 5)JONES David
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#### (57) Abstract:

Disclosed is a hairdryer comprising a handle; a body comprising a fluid outlet and a primary fluid outlet; a fan unit for generating fluid flow through the hairdryer the hairdryer comprising a fluid flow path extending from a fluid inlet through which a fluid flow enters the hairdryer to the fluid outlet and a primary fluid flow path extending from a primary fluid inlet to the primary fluid outlet; a heater for heating the primary fluid flow drawn through the primary fluid inlet; and a nozzle attachable to the body the nozzle comprising a nozzle fluid inlet for receiving the primary fluid flow from the primary fluid outlet and a nozzle fluid outlet for emitting the primary fluid flow and wherein the nozzle is configured to inhibit the emission of the fluid flow from the fluid outlet. Also disclosed is a nozzle for such a hairdryer wherein the nozzle is attachable to the hairdryer body the nozzle comprising a nozzle fluid inlet for receiving the primary fluid flow from the primary fluid outlet and a nozzle fluid outlet for emitting the primary fluid flow and wherein the nozzle is configured to inhibit the emission of the fluid flow from the fluid outlet.

No. of Pages: 49 No. of Claims: 38

(21) Application No.11022/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B66B23/02,B66B21/10 :NA :NA :NA :PCT/US2012/046051 :10/07/2012 :WO 2014/011157 :NA :NA	(71)Name of Applicant:  1)OTIS ELEVATOR COMPANY Address of Applicant: Ten Farm Springs Road Farmington CT 06032 2568 U.S.A. (72)Name of Inventor: 1)PARK Chan jong 2)TUREK Alexander
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A drive chain band (46) for a chain drive device (10) having chain links (26) and pins (22) is provided. The drive chain band (46) may include one or more drive bands (48,50) and a plurality of connectors (60) disposed on the one or more drive bands (48, 50). Each connector (60) may have a toothed profile (62, 64) configured to directly receive and engage the pins (22).

No. of Pages: 37 No. of Claims: 26

(21) Application No.11023/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: 3-O-HETEROARYL-INGENOL

:U.S.A.

:21/06/2013

(51) International :C07D213/84,A61K31/416,A61K31/4164 classification

:PCT/EP2013/062995

(31) Priority Document :61/664398

(32) Priority Date :26/06/2012

(33) Name of priority country

(86) International

Application No Filing Date

(87) International

:WO 2014/001215 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)LEO LABORATORIES LIMITED

Address of Applicant :285 Cashel Road Crumlin Dublin 12

Ireland

(72) Name of Inventor:

1)LIANG Xifu

2)H-GBERG Thomas 3)N~RREMARK Bjarne 4)M...NSSON Kristoffer

5)RYTTERSGAARD Carsten 6)GRUE STRENSEN Gunnar

#### (57) Abstract:

The present invention relates to a compound according to formula (I) wherein R1 represents optionally substituted heteroaryl and pharmaceutically acceptable salts hydrates solvates or pharmaceutically acceptable and physiologically cleavable esters thereof. The invention relates further to intermediates for the preparation of said compounds to said compounds for use in therapy to pharmaceutical compositions comprising said compounds to methods of treating diseases e.g. diseases associated with hyperplasia neoplasia or dysplasia with said compounds to methods of treatment of cosmetic indications with said compounds and to the use of said compounds in the manufacture of medicaments.

No. of Pages: 90 No. of Claims: 28

(21) Application No.11026/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: CUTTING TOOL GRIPPING TOOL

(51) International :B23B29/12,B23B27/00,B23Q11/00

classification (31) Priority Document No :2012146856 (32) Priority Date :29/06/2012

(33) Name of priority country: Japan

(86) International Application: PCT/JP2013/067119

:21/06/2013 Filing Date

(87) International Publication :WO 2014/002905

(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)INSTITUTE OF NATIONAL COLLEGES OF

TECHNOLOGY JAPAN

Address of Applicant: 701 2 Higashiasakawa cho Hachioji shi

Tokyo 1930834 Japan

2)DAIDO STEEL CO. LTD.

(72)Name of Inventor: 1)SAKURAI Fumihito 2)WATANABE Kenji

This cutting tool gripping tool to be attached to a cutting machine while one end of a rod shaped cutting tool is inserted and secured in an attachment hole contains: a damping alloy tube body which is formed from a damping alloy having a component composition containing in mass% 16.9 to 27.7% of Cu, 2.1 to 8.2% of Ni, 1.0 to 2.9% of Fe, and 0.05% or less of C, the remainder being Mn and unavoidable impurities and which has a threaded outer circumferential surface and a center through hole serving as the attachment hole along the lengthwise direction; and a rigid retention tube body which is formed from a material having a larger Young s modulus than the damping alloy and which has a threaded tube inner surface. The damping alloy tube body having a threaded outer circumferential surface is threadably secured to the threaded tube inner surface of the rigid retention tube body.

No. of Pages: 22 No. of Claims: 2

(21) Application No.11027/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A PHENYL TRIAZOLE DERIVATIVE AND ITS USE FOR MODULATING THE GABAA RECEPTOR COMPLEX

(51) International :C07D403/12,A61K31/501,A61P25/18

classification (31) Priority Document No :PA 2012 70369

(32) Priority Date :26/06/2012
(33) Name of priority

country :Denmark

(86) International :PCT/EP2013/063194

Application No
Filing Date

FC1/EF201

:25/06/2013

(87) International Publication No :WO 2014/001282

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

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)ANIONA APS

Address of Applicant : Drejer, Skovbakken 32, DK-2750

Farum Denmark

(72) Name of Inventor:

1)LARSEN Janus Schreiber 2)GUSTAFSSON Magnus

3)JESSEN Carsten

# (57) Abstract:

This invention relates to a novel phenyl triazole derivative pharmaceutical compositions containing this compound and methods of treatment therewith. The compound of the invention is in particular considered useful for the treatment of central nervous system diseases and disorders which are responsive to modulation of GABA receptors containing the  $\alpha$ 5 subunit.

No. of Pages: 26 No. of Claims: 7

(21) Application No.1103/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: RICE PROMOTERS AND USES THEREOF

(51) International classification :C12N (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)UNIVERITY OF DELHI SOUTH CAMPUS Address of Applicant: INTERDISCIPLINARY CENTRE FOR PLANT GENOMICS AND DEPARTMENT OF PLANT MOLECULAR BIOLOGY, UNIVERSITY OF DELHI, SOUTH CAMPUS, NEW DELHI 110021, INDIA Delhi India 2)DEPARTMENT OF BIOTECHNOLOGY, GOVERNMENT OF INDIA (72)Name of Inventor:  1)TYAGI, AKHILESH KUMAR 2)KAPOOR, SANJAY 3)KHURANA, REEMA
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#### (57) Abstract:

Three anther-specific promoters isolated from rice are provided herein. The promoters as described in the present invention have been shown to confer anther-specific expression in rice. The present invention provides a recombinant DNA expression cassette comprising the promoter as disclosed in the present invention. The present invention further provides a host cell comprising the recombinant DNA expression cassette and transgenic plant comprising the recombinant DNA expression cassette.

No. of Pages: 58 No. of Claims: 13

(21) Application No.11031/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: EMPTY CLIP CARTRIDGE LOCKOUT

:A61B17/128,A61B19/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/536386 (32) Priority Date :28/06/2012

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

(86) International Application No :PCT/US2013/047064 Filing Date :21/06/2013

(87) International Publication No :WO 2014/004299 (61) Patent of Addition to Application

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

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road #97 Cincinnati Ohio

45242 U.S.A.

(72) Name of Inventor:

1)SHELTON Frederick E. IV

#### (57) Abstract:

A surgical device (100) for clipping tissue can include a replaceable cartridge (130) comprising a stack of clips (140) contained therein and a firing drive (160) configured to reciprocatingly eject or deploy the clips (140) from the cartridge. After the clips have been deployed from the cartridge a blocking member (348) can be positioned to impede or block the firing drive (160). In at least one embodiment the cartridge (130) can include a biasing member (136) configured to bias the blocking member (348) into a firing chamber (149) defined in the cartridge and/or surgical device. The surgical device can also include a crimping drive configured to deform a clip after it has been ejected from the cartridge. The blocking member (348) can also be configured to impede or block the crimping drive after all of the clips (140) from the cartridge (130) have been used.

No. of Pages: 76 No. of Claims: 20

(21) Application No.11033/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: REPLACEABLE CLIP CARTRIDGE FOR A CLIP APPLIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:21/06/2013 :WO 2014/004296 :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road #97 Cincinnati Ohio 45242 U.S.A. (72)Name of Inventor:  1)SHELTON Frederick E. IV 2)BAXTER Chester O. III
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A surgical device (100) for clipping tissue can include a replaceable cartridge (130) comprising a stack of clips (140) contained therein and a firing drive configured to reciprocatingly eject or deploy the clips from the cartridge. The cartridge (130) and/or the surgical device (100) can include a firing chamber (149) wherein the clips (140) can be sequentially pushed into the firing chamber along a supply axis (138). The firing drive can include a firing member which is moved along a firing axis (139) to deploy a clip (140) positioned in the firing chamber (149) wherein the supply axis (138) is transverse to the firing axis.

No. of Pages: 76 No. of Claims: 21

(21) Application No.1104/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: LENS BARREL AND IMAGE CAPTURING APPARATUS

(51) International classification	:G02B7/022	(71)Name of Applicant:
(31) Priority Document No	:2011- 088555	1)NIKON CORPORATION Address of Applicant :12-1, YURAKUCHO 1-CHOME
(32) Priority Date	:12/04/2011	CHIYODA-KU TOKYO 100-8331 JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TOGAWA, HISANORI
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		•

#### (57) Abstract:

To decrease operating noise of actuators in a teas barrel, provided is a lens hand comprising a first optical member that moves In an optical axis direction prior to image capturing and during image capturing; a first drive member mat causes the first optical member to move in the optical axis direction during image capturing; a second optical member that has the first drive member fixed thereto, moves in the optical axis direction prior to image capturing, and is fixed at a position in the optical axis direction during image capturing; and a second drive member that causes the second optical member, the first optical member, and the first drive member to move in the optical axis direction prior to image capturing. Also provided is an image capturing apparatus comprising the lens barrel and an image capturing section mat captures image light from the lens barrel.

No. of Pages: 44 No. of Claims: 17

(21) Application No.11040/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FENOFIBRATE 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>	:A61K9/16 :13/531955 :25/06/2012 :U.S.A. :PCT/US2012/061486 :23/10/2012 :WO 2014/003810 :NA :NA	(71)Name of Applicant:  1)MYLAN INC.  Address of Applicant: 781 Chestnut Ridge Road Morgantown West Virginia 26505 U.S.A. (72)Name of Inventor:  1)CHATTARAJ Sarat C 2)REDELMAN Glenn Allen 3)SHAW Andrew Alan
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2014/003810 :NA	2)REDELMAN Glenn Allen
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various fenofibrate dosage forms contain a plurality of beads or particles where the beads or particles include a pharmaceutical composition comprising fenofibrate; from 0.3% to 10% by weight of the beads or particles of a surfactant; and from about 5% to about 15% by weight of the beads or particles of a water soluble or water dispersible cellulosic binder. The mass ratio of the drug to the binder in the dosage form is between about 3.5:1 and 4.5:1; and the dosage form produces a first Cmax in vivo that is between about 10% and about 50% higher than a comparative Cmax produced by a comparative dosage form. The comparative dosage form comprises the drug and the binder in a ratio of between about 5:1 and 15:1.

No. of Pages: 66 No. of Claims: 19

(21) Application No.11041/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HEMOSTATIC 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</li> </ul>	:A61L15/42 :61/663412 :22/06/2012 :U.S.A. :PCT/US2013/041659 :17/05/2013 :WO 2013/191836 :NA :NA	(71)Name of Applicant:  1)Z MEDICA LLC Address of Applicant: 4 Fairfield Bvld. Wallingford CT 06492 U.S.A. (72)Name of Inventor: 1)LO Denny 2)DUBEY Dina
(62) Divisional to Application Number Filing Date	:NA :NA	
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#### (57) Abstract:

Hemostatic devices for promoting blood clotting can include a substrate (e.g. gauze textile sponge sponge matrix one or more fibers etc.) a hemostatic material disposed thereon such as kaolin clay and a binder material such as crosslinked calcium alginate with a high guluronate monomer molar percentage disposed on the substrate to substantially retain the hemostatic material material. When the device is used to treat a bleeding wound at least a portion of the clay material comes into contact with blood to accelerate clotting. Moreover when exposed to blood the binder has low solubility and retains a majority of the clay material on the gauze. A bandage that can be applied to a bleeding wound to promote blood clotting includes a flexible substrate and a gauze substrate mounted thereon.

No. of Pages: 74 No. of Claims: 71

(21) Application No.11042/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: COMMUNICATION SYSTEM NODE APPARATUS METHOD AND PROGRAM

(51) International :H04W48/12,H04W48/16,H04W48/18 classification

(31) Priority Document No :2012167234 (32) Priority Date :27/07/2012

(33) Name of priority

:Japan country

(86) International :PCT/JP2013/070319

Application No :26/07/2013 Filing Date

(87) International

:WO 2014/017630 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)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)TAMURA Toshivuki 2)TAKANO Yusuke

#### (57) Abstract:

The present invention allows for determining whether to perform offload to a different wireless access network taking into account the communication amount charging style and serviceability of a terminal. Included is a node (ANDSF 40) that acquires the subscriber information of a terminal (10) from a home subscriber server acquires the communication amount of the terminal from a charging server and determines and controls on the basis of both the charging style in the subscriber information and the information of communication amount of the terminal whether to report the information related to a different wireless access network that is the destination of offload from the current access network.

No. of Pages: 42 No. of Claims: 32

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR PREPARING BLAST FURNACE BLOW IN COAL

(51) International classification	:C21B5/00	(71)Name of Applicant:
(31) Priority Document No	:2012224038	1)MITSUBISHI HEAVY INDUSTRIES LTD.
(32) Priority Date	:09/10/2012	Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1088215 Japan
(86) International Application No	:PCT/JP2013/075229	(72)Name of Inventor:
Filing Date	:19/09/2013	1)NAKAGAWA Keiichi
(87) International Publication No	:WO 2014/057778	2)OMOTO Setsuo
(61) Patent of Addition to Application	:NA	3)SAKAGUCHI Masakazu
Number	:NA	4)HAMADA Tsutomu
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a method that is for preparing blast furnace blow in coal and that can obtain blast furnace blow in coal that suppresses accretion and the like of blast furnace blow in ash at a pathway leading to a tuyere of a blast furnace main body while suppressing a decrease in the amount of heat generation despite containing low ash melting point coal. On the basis of data obtained by means of analyzing coal a first and second coal type satisfying conditions (A B) are selected (S2 S3) the ash melting point of the mixed coal resulting from mixing the first and second coal types is derived (S4) on the basis of a four dimensional state diagram for SiO CaO MgO 20% AlO on the basis of the ash melting point of the mixed coal and the four dimensional state diagram an additive causing the ash melting point of the mixed coal to be at least 1400°C at the lowest quantity when added to the mixed coal is selected (S5) from SiO MgO and CaO the addition quantity is derived (S6) the first coal type and second coal type are mixed (S7) to result in the mixed coal and the addition quantity of the additive is added (S8) to the mixed coal.

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

(19) INDIA

(22) Date of filing of Application :23/12/2014

(21) Application No.11046/DELNP/2014 A

(43) Publication Date: 25/09/2015

#### (54) Title of the invention: CONTAINER

(51) International classification :B65D83/76,B65D25/52 (71)Name of Applicant : 1)BEIJING RED SEA TECH CO. LTD. (31) Priority Document No :201210214908.3 (32) Priority Date Address of Applicant :B416 Room No. 218 1 Wangfujing :27/06/2012 (33) Name of priority country Street Dongcheng District Beijing 100006 China :China (72) Name of Inventor: (86) International Application No :PCT/CN2013/000773 Filing Date :27/06/2013 1) CHEN Zengxin (87) International Publication No :WO 2014/000424 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Disclosed is a container used in daily life. The container comprises a container main body (1) and a pressure channel composed of a pressure transmission channel (4) a removal channel (5) and an outflow channel (6) connected in series. The pressure channel is attached to a wall of the container main body and has one end in communication with the removal channel and the other end connectable to a pressurizing component provided externally. The pressure transmission channel transmits pressure exerted on the inside of the pressure transmission channel by the pressurizing component provided externally via a pressure transmission medium inside the channel. A wall of the removal channel is provided with a one way valve (11) allowing the contents (2) in the container main body to flow into the pressure channel. The one way valve opens at the bottom on the inside of the container main body. The outflow channel is a channel that is used for the contents to flow out of the container and able to prevent the contents from flowing back. The container has a simple structure can be mass produced has no extremely precise requirements of the product structure and can reduce production costs. The container has no portions that protrude outwards too far away facilitating packing and transport and reducing pollution to the environment.

No. of Pages: 35 No. of Claims: 37

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR PRODUCING OLEFINS BY THERMAL STEAM CRACKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C10G9/36 :12005783.1 :09/08/2012 :EPO :PCT/EP2013/002348 :06/08/2013 :WO 2014/023418 :NA :NA :NA	(71)Name of Applicant:  1)LINDE AKTIENGESELLSCHAFT Address of Applicant: Klosterhofstr. 1 80331 M <sup>1</sup> /4nchen Germany (72)Name of Inventor: 1)SCHMIDT Gunther 2)FRITZ Helmut 3)WALTER Stefanie
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#### (57) Abstract:

The invention relates to a method for reacting hydrocarbon feedstocks by thermal steam cracking to form at least one olefin containing product stream that contains at least ethylene and propylene wherein a hydrocarbon feedstock is reacted at least partially in at least one cracking furnace (2) wherein the hydrocarbon feedstock is reacted in the cracking furnace (2) under mild cracking conditions mild cracking conditions meaning that propylene is present in a ratio of 0.81 to 1.6 kg/kg of ethylene at the cracking furnace outlet and wherein the hydrocarbon feedstock contains primarily hydrocarbons with a carbon number of at most 6 preferably at most 5.

No. of Pages: 22 No. of Claims: 15

(21) Application No.11064/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: BEAD FOAM COMPRESSION MOLDING METHOD FOR LOW DENSITY PRODUCT

(51) International :B29C44/60,B29C44/00,B29C67/20 classification

(31) Priority Document No :13/545532

(32) Priority Date :10/07/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/049561

:08/07/2013

Filing Date

(87) International Publication :WO 2014/011537

(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)NIKE INNOVATE C.V.

Address of Applicant :One Bowerman Dr Beaverton OR

97005 U.S.A.

(72) Name of Inventor: 1)BAGHDADI Hossein A.

2)SCHILLER Denis

3)YU Sui chieh J.

## (57) Abstract:

Disclosed is a method for molding a foamed article such as a midsole or outsole for footwear in which a desired amount of thermoplastic polyurethane foam beads are placed in a compression mold in the shape of the article and the mold is brought to a peak temperature of from about 130° C, to about 180° C, over a period of from about 300 to about 1500 seconds then cooled to from about 5° C. to about 80° C. over a period of from about 300 to about 1500 seconds within about 30 seconds after the peak temperature is reached. The foamed article made by the method has a density of from about 0.1 to about 0.45 g/cm<sup>3</sup>.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: STEEL MATERIAL QUALITY EVALUATION METHOD AND QUALITY EVALUATION 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>	:G01N29/04 :2012149003 :03/07/2012 :Japan :PCT/JP2013/067369 :25/06/2013 :WO 2014/007111 :NA :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor:  1)MATSUI Yutaka 2)YOSHIDA Hiromi 3)MATSUI Akitoshi
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#### (57) Abstract:

A steel material quality evaluation device is provided with: a probe control unit (11) which scans a scan surface (S2) facing a mill scale surface (S1) of a steel material (1) including a surface layer portion by an ultrasonic signal and receives an echo signal from the steel material (1) the echo signal being generated with the scanning by the ultrasonic signal; a mill scale surface shape profile calculation unit (14) which calculates the propagation distance of the echo signal from the mill scale surface (S1) using waveform data relating to the echo signal and calculates the shape profile of the mill scale surface (S1) in the direction of the scanning by the ultrasonic signal from the calculated propagation distance; and a flaw indication imaging unit (15) and a flaw indication output unit (16) which set as a flaw detection gate the detection range of the echo signal resulting from a flaw in the steel material (1) on the basis of the shape profile of the mill scale surface (S1) and generates and outputs a flaw indication image in which the maximum value of the echo signal in the set flaw detection gate is mapped.

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

(21) Application No.11066/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: PHARMACEUTICAL ADMINISTRATION FORMS COMPRISING 5-CHLORO-N-({(5S)-2-OXO-3-[4-(3-OXO-4- MORPHOLINYL)PHENYL] -1,3-OXAZOLIDIN-5-YL}METHYL)-2-THIOPHENECARBOXAMIDE

<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> </ul> <li>No</li>	:A61K9/00,A61K9/24,A61K31/00 :12174797.6 :03/07/2012 :EPO :PCT/EP2013/063590 :28/06/2013 :WO 2014/005934	(71)Name of Applicant:  1)BAYER PHARMA AKTIENGESELLSCHAFT Address of Applicant: M!/4llerstr. 178 13353 Berlin Germany (72)Name of Inventor: 1)BENKE Klaus 2)NEUMANN Heike 3)MCK Wolfgang
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to solid, orally administrable pharmaceutical administration forms comprising 5-chloro- N-({(5S)-2-oxo-3-[4-(3-oxo-4-morpholinyl)-phenyl]-1,3-oxazol- idin-5-yl}methyl)-2-thiophenecarboxamide (rivaroxaban, active ingredient (I)), characterized in that a portion of the active ingredient (I) is released in a rapid manner and a portion in a controlled (modified, retarded, delayed) manner, and to processes for production thereof, use thereof as medicaments, and use thereof for Prophylaxis, secondary Prophylaxis or treatment of disorders.

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

(21) Application No.11067/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : INSULATING GLASS STYLE SOLAR HEAT COLLECTOR AND BUILDING USING SOLAR ENERGY FOR HEATING AND COOLING EMPLOYING SAME

(51) International classification :F24J2/04,E04B1/74,F24J2/34 (71)Name of Applicant : (31) Priority Document No 1)W&E INTERNATIONAL (CANADA) CORP. :2781743 (32) Priority Date :27/06/2012 Address of Applicant :66 Devonsleigh Blvd Richmond Hill (33) Name of priority country Ontario L4S 1H2 Canada :Canada (86) International Application No :PCT/CA2013/000856 2)LIN Huazi Filing Date :27/06/2013 (72) Name of Inventor: (87) International Publication No :WO 2014/008588 1)LIN Huazi (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A building using solar energy for heating and cooling without employing any air conditioning equipment where the building uses building elements such as a solar heat collector and/or a solar heat storage device. The building comprises a fluid channel arranged for a fluid to transfer absorbed solar heat a solar heat storage bank to store and supply the solar heat and a mechanism for directing and controlling the flow of said fluid throughout the building. The building may also use a second air channel for heating and cooling that building.

No. of Pages: 41 No. of Claims: 23

(21) Application No.11072/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: SWITCH CONFIGURATION

:H01H23/08,H01H13/10 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SCANIA CV AB :12506523 (32) Priority Date Address of Applicant: S 151 87 Sdertlie Sweden :19/06/2012 (33) Name of priority country (72)Name of Inventor: :Sweden (86) International Application No :PCT/SE2013/050724 1)ULUSOY Serdar Filing Date :18/06/2013 2)SVENSSON Emma (87) International Publication No :WO 2013/191635 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention concerns a switch configuration (S) comprising at least two switch units (10) each of which is arranged to achieve a switch function wherein each respective switch unit (10) comprises an activating device (20) arranged so as to perform said switch function and so as to be push actuated by means of a control device (60 70) wherein each respective activating device (20) is displaceably arranged in a module part (30 40) and arranged so as to support and be actuated by means of a first type of control device (60) and so as to be actuated by means of a second type of control device (70) arranged for the actuation of activating devices (20) in two adjacent switch units (10) wherein said module part (30 40) is arranged so as to support said second type of control device (70).

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

(21) Application No.11073/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PEER ASSISTED SHOPPING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G06Q30/00 :61/662765 :21/06/2012 :U.S.A. :PCT/US2013/047124 :21/06/2013 :WO 2013/192557 :NA :NA	(71)Name of Applicant: 1)CINSAY INC. Address of Applicant:13355 Noel Road 4th Floor Dallas Texas 75240 U.S.A. (72)Name of Inventor: 1)SPITZ Rick 2)SUNDUKOVSKIY Sergey 3)GALINDO Jr. Delfino 4)DOWNING Todd 5)BRIGGS Christian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

According to an embodiment of the disclosure a method for peer assisted shopping the method includes initiating on a first endpoint corresponding to a first user a display of media content. The method also includes initiating on the first endpoint an interactive feature configured to allow the first user to interact with the first endpoint in response to the display of media content. The method further includes initiating on the first endpoint an option for the first user to invoke a communication request with at least a second user corresponding to at least a second endpoint. Moreover the method includes upon selection of the option initiating a connection request with the at least a second endpoint.

No. of Pages: 51 No. of Claims: 18

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: SORTING PARTICLES USING HIGH GRADIENT MAGNETIC FIELDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B03C1/32 :61/664051 :25/06/2012 :U.S.A. :PCT/US2013/047710 :25/06/2013 :WO 2014/004577 :NA :NA	(71)Name of Applicant:  1)THE GENERAL HOSPITAL CORPORATION Address of Applicant:55 Fruit Street Boston Massachusetts 02114 U.S.A. (72)Name of Inventor: 1)SMITH Kyle C. 2)HAGHOOGIE Ramin 3)BARBER Thomas Alan 4)OZKUMUR Ismail Emre 5)KAPUR Ravi 6)TONER Mehmet
(62) Divisional to Application Number Filing Date	:NA :NA	6)TONER Mehmet

#### (57) Abstract:

This disclosure describes microfluidic devices that include one or more magnets each magnet being operable to emit a magnetic field; and a magnetizable layer adjacent to the one or more magnets in which the magnetizable layer is configured to induce a gradient in the magnetic field of at least one of the magnets. For example the gradient can be at least 10T/m at a position that is at least  $20~\mu m$  away from a surface of the magnetizable layer. The magnetizable layer includes a first high magnetic permeability material and a low magnetic permeability material arranged adjacent to the high magnetic permeability material. The devices also include a microfluidic channel arranged on a surface of the magnetizable layer wherein a central longitudinal axis of the microfluidic channel is arranged at an angle to or laterally offset from an interface between the high magnetic permeability material and the low magnetic permeability material.

No. of Pages: 105 No. of Claims: 58

(21) Application No.11075/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DEVICES AND METHODS FOR SEVERING A TUBE WIRE

(51) International classification	:E21B19/02,E21B19/08	(71)Name of Applicant:
(31) Priority Document No	:13/538410	1)BAKER HUGHES INCORPORATED
(32) Priority Date	:29/06/2012	Address of Applicant :P.O. Box 4740 Houston TX 77210 4740
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/038141	(72)Name of Inventor:
Filing Date	:25/04/2013	1)MISSELBROOK John Gordon
(87) International Publication No	:WO 2014/003883	
(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 shear pig assembly and method of use for severing a linear conductor within a surrounding tubular. A shear pig assembly includes a main body and a nose that radially surround the linear conductor within the tubular. The main body and nose are axially moveable with respect to each other to cause a shear plug to move radially within a shearing chamber thereby severing the linear conductor.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : ORAL CARE AND ORAL HYGIENE PRODUCTS HAVING PHOTOCATALYTIC ACTIVITY COMPRISING INORGANIC PARTICLES SUPERFICIALLY FUNCTIONALISED WITH TIO2 NANOPARTICLES

<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></ul>	:A61K8/24,A61K8/29,A61Q11/00 :MI2012A001310 :26/07/2012 :Italy :PCT/IB2013/055116 :21/06/2013 :WO 2014/016713 :NA :NA	Address of Applicant :Via Gobetti 4 I 40050 Funo di Argelato (BO) Italy (72)Name of Inventor :  1)GUALANDI Paolo 2)GUALANDI Andrea 3)GUALANDI Jacopo 4)GUALANDI Michele 5)LELLI Marco 6)MARCHETTI Marco 7)PIERINI Filippo 8)ROVERI Norberto 9)MERLI Selene
<u> </u>	:NA :NA	9)MERLI Selene 10)MONTEBUGNOLI Giulia 11)RINALDI Francesca 12)DAMEN Eros

#### (57) Abstract:

The present invention refers to oral care and oral hygiene products having photocatalytic activity comprising particles of a calcium phosphate compound superficially functionalised with TiO2 nanoparticles in crystalline form said TiO2 nanoparticles having: a) a substantially lamellar morphology; b) an aspect ratio (AR) comprised between 5 and 30; c) a surface structure having face (001) as outermost face of the crystalline lattice; and d) wherein the TiO2 is in the form of anatase optionally mixed with rutile and/or brookite.

No. of Pages: 35 No. of Claims: 28

(21) Application No.11055/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : COATING COMPOSITIONS WITH AN ISOCYANATE FUNCTIONAL PREPOLYMER DERIVED FROM A TRICYCLODECANE POLYOL METHODS FOR THEIR USE AND RELATED COATED SUBSTRATES

(51) International classification :C08G18/10,C09D175/04,C08G18/42

(31) Priority Document No :13/533209

(32) Priority Date :26/06/2012 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/US2013/046455

Filing Date :19/06/2013

(87) International Publication No :WO 2014/004187

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

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

(71)Name of Applicant:

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Address of Applicant :12780 San Fernando Road Sylmar

California 91342 U.S.A. (72)Name of Inventor: 1)ABRAMI Siamanto 2)TANG Guangliang

2011/001105

### (57) Abstract:

Coating compositions include (a) an isocyanate functional prepolymer derived from a polyisocyanate and a tricyclodecane containing polyester polyol; and (b) a blocked amine curing agent.

No. of Pages: 36 No. of Claims: 18

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR PRODUCING HYDROGEN PEROXIDE

(51) International classification	:C01B15/029,B01J23/52	(71)Name of Applicant :
(31) Priority Document No	:2012154206	1)MITSUBISHI GAS CHEMICAL COMPANY INC.
(32) Priority Date	:10/07/2012	Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008324 Japan
(86) International Application No	:PCT/JP2013/066566	2)KYUSHU UNIVERSITY NATIONAL UNIVERSITY
Filing Date	:17/06/2013	CORPORATION
(87) International Publication No	:WO 2014/010372	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)ISHIHARA Tatsumi
Number	:NA	2)SHIGETA Kohei
Filing Date	.INA	3)IURA Katsuhiro
(62) Divisional to Application Number	:NA	4)KATO Kenji
Filing Date	:NA	5)OKUDA Norikazu

#### (57) Abstract:

The purpose of the present invention is to provide a method for producing hydrogen peroxide at an industrially and economically satisfactory level without requiring excessive production equipment and with which the purification load is not excessive. The present invention is a method for producing hydrogen peroxide the method comprising reacting hydrogen and oxygen in the presence of a noble metal catalyst and a radical scavenger in a reaction medium.

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

(21) Application No.11059/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AIR DEFLECTOR AND FREIGHT VEHICLE

(51) International classification	:B62D35/00,B60S1/66	(71)Name of Applicant:
(31) Priority Document No	:12506416	1)SCANIA CV AB
(32) Priority Date	:18/06/2012	Address of Applicant :S 151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/SE2013/050668	1)NOGHABAI Kamran
Filing Date	:11/06/2013	
(87) International Publication No	:WO 2013/191616	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An air deflector (50) at a front corner (24) of a cab (20) of a freight vehicle (10) comprising a swirl generator (50) which converts an air flow induced by the vehicle s forward movement to a swirling flow (v) which follows a side (26) of the vehicle (10) situated adjacent to the corner (24) and prevents dirtying of the side (26) from below. The swirl generator (50) comprises a duct (52) which is open downwards is connected to the cab comer (24) extends curvingly round the corner (24) from the cab front to the cab side (26) and comprises partly an upper end surface (56) and partly opposite sides (58, 60) which are directed downwards at least one of these sides having a free lower end edge (54).

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : OUTER COATING FOR AN UNDERGROUND PIPING MEMBER MADE FROM IRON COATED PIPING MEMBER AND METHOD FOR DEPOSITING THE 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></ul>	:C23C4/08,C23C4/18,C23C28/00 :1256268 :29/06/2012 :France	(71)Name of Applicant:  1)SAINT GOBAIN PAM  Address of Applicant:91 avenue de la Libration F 54000  Nancy France
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2013/063717 :28/06/2013 :WO 2014/001544	<ul> <li>(72)Name of Inventor:</li> <li>1)BONDIL Olivier</li> <li>2)NOUAIL Grard</li> <li>3)PEDEUTOUR Jean Marc</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An outer coating (9) for an underground piping member (7) made from iron in particular cast iron the outer coating comprising a first porous layer (11) and a second porous layer (13) disposed on the first layer and capable of plugging the pores of the first layer the outer coating being characterised in that: the first layer comprises substantially pure zinc or an alloy or pseudo alloy of zinc the alloy or pseudo alloy comprising in terms of mass at least 50% zinc and preferably between 0.5% and 40% aluminium and the second layer comprises a one component paint in the aqueous phase made from at least one synthetic resin emulsion dispersed or dissolved in water. A corresponding coated piping member and method for depositing the coating.

No. of Pages: 13 No. of Claims: 14

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: RADIOPHARMACEUTICAL DELIVERY AND TUBE MANAGEMENT SYSTEM

(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 (86) International Application No SWO 2013/184636 (87) International Publication No SWO 2013/184636 (88) International Application No SWO 2013/184636 (89) International Publication No SWO 2013/184636 (10) Patent of Addition to Application SNA SNA SNA SINA SINA SINA SINA SINA SI		<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>	:04/06/2013 :WO 2013/184636 :NA :NA :NA	1)HOFFMAN Raymond C. 2)TUCKER Barry L. 3)BERRY David H. 4)URAM Martin J. 5)DESCALZI Douglas
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#### (57) Abstract:

A device for delivery of a radiopharmaceutical and in some embodiments delivery of a pharmaceutical agent are described herein. Various other components for delivery systems including tubing management systems primer caps diffusion chambers radiation shields and syringe shields and other devices and methods are also described.

No. of Pages: 82 No. of Claims: 31

(21) Application No.11062/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: DAMPING BEARING

:F16F9/30,F16F15/02,F16F7/00 (71)Name of Applicant : (51) International classification 1)TRENCH LIMITED (31) Priority Document No :61/669304 (32) Priority Date :09/07/2012 Address of Applicant :71 Maybrook Drive Toronto Ontario (33) Name of priority country M1V 4B6 Canada :U.S.A. (72) Name of Inventor: (86) International Application No :PCT/CA2013/050530 Filing Date :09/07/2013 1)KHAN Kamran (87) International Publication No: WO 2014/008597 2) REISINGER Helmut (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A damping bearing (20) including an inner ball portion (34) attached to an end of a support shaft (32) and an outer collar portion (30) attached to a housing (22) for rotation of the housing relative to the support shaft about a center point. A chamber (28) for a damping fluid such as grease is defined by clearance between the end of the shaft and the housing. The fluid chamber has opposed bounding surfaces (29 37) that are non spherical about the center of rotation so that the chamber changes shape upon rotation of the bearing thus shifting damping fluid across the chamber. The chamber may be a flat cylindrical void normal to a centerline (33) of the shaft. It may provide only enough clearance for less than  $\pm$  10 of relative rotation between the housing and shaft. A set screw (26) may pressurize the fluid in the chamber.

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

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : CATALYSTS FOR PRODUCING CAST POLYAMIDE METHOD FOR THE PRODUCTION OF SAID CATALYSTS AND THE USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:06/06/2013 :WO 2014/005791	(71)Name of Applicant:  1)RHEIN CHEMIE RHEINAU GMBH Address of Applicant: D½sseldorfer Strasse 23 27 68219  Mannheim Germany (72)Name of Inventor:  1)LAUFER Wilhelm 2)UESTUENBAS Serdar
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:WO 2014/003791 :NA :NA :NA :NA	2)UESTUENBAS Serdar

## (57) Abstract:

The present invention relates to new catalysts for producing cast polyamide a method for the production of said catalysts and the use thereof.

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

(21) Application No.11078/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: FBXO3 INHIBITORS

(51) International :C07D213/36,C07D295/135,C07D277/28 classification

(31) Priority Document

:61/657423

(32) Priority Date :08/06/2012 (33) Name of priority :U.S.A.

country

(86) International Application No

:PCT/US2013/030995

Filing Date

:13/03/2013

:NA

(87) International

:WO 2013/184202

Publication No (61) Patent of Addition

:NA to Application Number :NA Filing Date

(62) Divisional to **Application Number** 

:NA Filing Date

(71)Name of Applicant:

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Address of Applicant :200 Gardner Steel Conference Center

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2)THE UNITED STATES GOVERNMENT AS

REPRESENTED BY THE DEPARTMENT OF VETERANS **AFFAIRS** 

(72)Name of Inventor:

1)CHEN Beibel

2)MALLAMPALLI Rama K.

No. of Pages: 150 No. of Claims: 43

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

The present application discloses benzathine and related compounds and their use as FBXO 3 inhibitors.

(21) Application No.11079/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: SYSTEM FOR PIERCING A MEMBRANE

(51) International classification :B67B7/48,B65B3/00,G01N35/10 (71)Name of Applicant : 1)DiaMed GmbH (31) Priority Document No :1255032 (32) Priority Date :31/05/2012 Address of Applicant :PraRond 23 CH 1785 Cressier (FR) (33) Name of priority country :France Switzerland (86) International Application (72) Name of Inventor: :PCT/FR2013/051231 1)BRISEBRAT Jean Michel :31/05/2013 2)GAGNEPAIN Cdric Filing Date (87) International Publication 3)BARTHELON Pascal :WO 2013/178961 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention relates to a system for piercing a membrane (18) closing a cavity (14) of a container said system comprises a piercing member (110) configured to perforate the membrane (18) and an ionizing device for neutralizing electrostatic charge liable to be carried by said cavity (14). According to the invention this ionizing device comprises the piercing member (110) which is designed to have ionizing properties. The invention also relates to a method for piercing at least one membrane (18) closing at least one cavity (14) of a container involving piercing the membrane (18) in order to open said cavity (14) and neutralizing electrostatic charge liable to be carried by said cavity (14) in which the piercing of the membrane (18) and the neutralization of the electrostatic charge are achieved using one and the same piercing membrane (110) designed to have ionizing properties.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: ENCODED TEXT CHECKING SYSTEM METHOD AND PROGRAM

(51) International classification: H04L9/32,G06F21/31,G06F21/32 (71) Name of Applicant: (31) Priority Document No :2012157265

:12/07/2013

(32) Priority Date :13/07/2012 (33) Name of priority country :Japan

(86) International Application :PCT/JP2013/069132

Filing Date

(87) International Publication :WO 2014/010725

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

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

1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)OBANA Satoshi 2) ISSHIKI Toshivuki

3)MORI Kengo 4)ARAKI Toshinori

#### (57) Abstract:

The present invention makes it possible in encoded text checking to avoid the leaking of information related to the original plain text thereby ensuring safety. The system of the present invention is provided with: a means (103 in fig. 1) for generating first and second auxiliary data for verifying whether or not the Hamming distance of a plain text between a first encoded text in which input data is encoded and is recorded in a storage device and a second encoded text obtained by encoding input data of a target to be checked is equal to or less than a predetermined value; and means (402 403 in fig. 1) for taking the difference between the first encoded text recorded in the storage device and the second encoded text and determining using the first and second auxiliary data whether or not the Hamming distance of the plain text corresponding to the difference between the first encoded text and the second encoded text is equal to or less than the predetermined value.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : UP DRAWING CONTINUOUS CASTING APPARATUS AND UP DRAWING CONTINUOUS CASTING METHOD

(51) International :B22D11/04,B22D11/128,B22D11/14

(31) Priority Document No :2012204464 (32) Priority Date :18/09/2012 (33) Name of priority

country :Japan

(86) International PCT/IB2013/002130 Application No

Filing Date :13/09/2013

(87) International Publication No :WO 2014/045116

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to

Application Number
Filing Date

:NA
:NA
:NA

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8571 Japan

(72) Name of Inventor:

1)NAKAJIMA Tetsuya 2)FURUKAWA Yuichi 3)KATO Tsukasa

4)MORITA Keiichi 5)YAOKAWA Jun 6)IWATA Yasushi 7)SUGIYAMA Yoshio

(57) Abstract:

An up drawing continuous casting apparatus includes a holding furnace that holds molten metal a shape determining member that is arranged near a molten metal surface of the molten metal held in the holding furnace and that determines a sectional shape of a casting by the molten metal passing through the shape determining member and a cooling portion that cools the molten metal that has passed through the shape determining member. The shape determining member includes on a main surface on the molten metal surface side at least one of a protruding portion that protrudes from the main surface or a recessed portion that is recessed from the main surface.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

#### (54) Title of the invention: METHOD FOR PRODUCING PIG IRON AND BLAST FURNACE FACILITY USING SAME

(51) International classification: C21B5/00,C10B53/00,C10B57/10 (71) Name of Applicant:

:2012172757 (31) Priority Document No (32) Priority Date :03/08/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/063504

:15/05/2013 Filing Date

(87) International Publication :WO 2014/020964

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)MITSUBISHI HEAVY INDUSTRIES LTD.

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

1088215 Japan

(72) Name of Inventor: 1)OMOTO Setsuo

2)NAKAGAWA Keiichi 3)HAMADA Tsutomu 4)SAKAGUCHI Masakazu

(57) Abstract:

This blast furnace facility is provided with: a blast furnace main body (110); starting material charging means (111,113) that charge a starting material (1) containing iron ore and coke into the interior of the blast furnace main body (110) from the apex thereof; hot airflow blow in means (114, 115) that blows in a hot airflow (101) from a tuyere to the interior of the blast furnace main body (110); and blast furnace blow in charcoal supply means (120, 129) that blow in blast furnace blow in charcoal (11) from the tuyere to the interior of the blast furnace main body (110). The blast furnace blow in charcoal supply means (120, 129) blow in a blast furnace blow in charcoal (11) having an oxygen atom content (on a dry basis) of 10 20 wt% and an average pore size of 10 50 nm.

No. of Pages: 28 No. of Claims: 6

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: METHODS FOR BIODEGRADABLE DERIVATIZATION OF CELLULOSIC SURFACES

(51) International (71)Name of Applicant: :D21H25/06,B65D65/40,D21H27/10 classification 1)YAGNA LIMITED (31) Priority Document No :13/531939 Address of Applicant: 1 Stradbroke Park Tomswood Road (32) Priority Date :25/06/2012 Chigwell Essex 1G7 5QL U.K. (72) Name of Inventor: (33) Name of priority :U.S.A. country 1)TRIGIANTE Giussepe (86) International :PCT/IB2013/001342 Application No :25/06/2013 Filing Date (87) International Publication: WO 2014/001874 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

#### (57) Abstract:

Filing Date

The present invention describes methods of treating cellulosic materials with a composition that provides increased hydrophobicity to such materials without sacrificing the biodegradability thereof. The methods as disclosed provide for esterification of available hydroxyl groups on cellulosic materials where such hydroxyl groups are masked by bulky organic chains including that the disclosure provides products made by such methods. The materials thus treated display higher hydrophobicity barrier function and mechanical properties and may be used in any application where such features are desired.

No. of Pages: 32 No. of Claims: 26

:NA

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention : INTER VIEWPOINT NAVIGATION METHOD AND DEVICE BASED ON PANORAMIC VIEW AND MACHINE READABLE MEDIUM

(51) International classification (31) Priority Document No	:G06T19/00 :201210170074.0	(71)Name of Applicant: 1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY
(32) Priority Date	:29/05/2012	LIMITED
(33) Name of priority country	:China	Address of Applicant :Room 403 East Block 2 SEG Park
(86) International Application No	:PCT/CN2013/076425	Zhenxing Road Futian District Shenzhen Guangdong 518044
Filing Date	:29/05/2013	China
(87) International Publication No	:WO 2013/178069	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)LI Baoli
Number	:NA	2)WU Kexin
Filing Date	.IVA	3)LI Chengjun
(62) Divisional to Application Number	:NA	4)ZHANG Xian
Filing Date	:NA	

#### (57) Abstract:

Provided are an inter viewpoint navigation method and device based on a panoramic view and a machine readable medium. The method includes: selecting a current viewpoint image from a panoramic view and acquiring a three dimensional model of the current viewpoint image; selecting a subimage from the current viewpoint image and performing feature detection so as to acquire the feature points of adjacent viewpoints; performing matching calculation on the feature points of the adjacent viewpoints and determining the distance between the adjacent viewpoints according to the matching calculation result; and performing three dimensional navigation on the three dimensional model of the current viewpoint image wherein the navigation depth is the distance between the adjacent viewpoints. After the embodiments of the present invention are applied by precisely determining the distance between viewpoints smooth inter viewpoint transition based on a panoramic view can be realized which improves the smooth navigation effect.

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

(21) Application No.11086/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: EQUIPMENT AND METHOD FOR PROCESSING COMBUSTIBLES

(31) Priority Document No :2013130944 (32) Priority Date :21/06/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2013/077677

:10/10/2013 Filing Date

(87) International Publication :WO 2014/203413

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

:NA Number :NA

Filing Date

(51) International classification :B09B3/00,C22B15/00,F27D3/18 (71)Name of Applicant:

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan (72)Name of Inventor: 1)OGUMA Nobuhiro 2) ISHIKAWA Shigeru 3)TAKAGI Makoto

4)MIZUTA Yuji

(57) Abstract:

In this method for processing combustibles a pipe (15) that opens towards the surface of a melt (L) stored in a furnace main body (12) for smelting non ferrous metals is provided above said surface and oxygen enriched air (Y) and combustibles (X) containing valuable metals are blown onto the surface of the melt (L) from the pipe (15).

No. of Pages: 44 No. of Claims: 9

(21) Application No.11087/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : WIRELESS COMMUNICATION NETWORK FOR CONTROL OF INDUSTRIAL EQUIPMENT IN HARSH ENVIRONMENTS

(51) International classification: B23K9/10,H04W4/02,B23K9/095 (71)Name of Applicant: (31) Priority Document No 1)ILLINOIS TOOL WORKS INC. :61/684497 (32) Priority Date :17/08/2012 Address of Applicant :155 Harlem Avenue Glenview Illinois (33) Name of priority country :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2013/055002 1)DINA Daniel :14/08/2013 Filing Date 2)DOWNIE Kathy Lee (87) International Publication :WO 2014/028656 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

### (57) Abstract:

Filing Date

In certain embodiments a system includes a master node device. The master node device includes communication circuitry configured to facilitate communication with a welding power supply unit via a long range communication link and to facilitate wireless communication with one or more welding related devices via a short range wireless communication network.

No. of Pages: 59 No. of Claims: 21

(21) Application No.11088/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SYSTEMS FOR AND METHOD OF WELDING WITH SYNCHRONISED MULTIPLE USER INTERFACE MODULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:B23K9/10,G09G5/12,H04N21/41 :61/697993 :07/09/2012 :U.S.A. :PCT/US2013/058099 :04/09/2013 :WO 2014/039584	(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)MEHN Peter Donald 2)NELSON Andrew David 3)DeCOSTER Randy Alan
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A welding system user interface module (38, 42) includes a front panel comprising a first input device and a first display screen. The welding system user interface module (38, 42) also includes circuitry comprising a memory (66) storing machine readable instructions a processor (68) for executing the machine readable instructions and communication circuitry (70) configured to receive UI data from the first input device or a second input device of a remote welding system user interface module (38, 42) and to broadcast synchronized data to the first display screen and a second display screen of the remote welding system user interface module (38, 42).

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

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SOFTWARE IMPLEMENTATION OF HOSTEL/PUBLIC BUILDING ROOM ALLOTMENT WITH VIRTUAL TOUR

(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	G06F NA NA NA NA NA NA NA NA	(71)Name of Applicant:  1)RAGHAV LAKHOTIA Address of Applicant: CP- 152, SECOND FLOOR, PITAMPURA, DELHI-110 088 Delhi India  2)DEEPAK MISHRA 3)APRAJITA CHANDEL 4)POONAM ARYA 5)T.P. SHARMA 6)R.K. JARIAL (72)Name of Inventor: 1)RAGHAV LAKHOTIA 2)DEEPAK MISHRA 3)APRAJITA CHANDEL 4)POONAM ARYA 5)T.P. SHARMA 6)R.K. JARIAL
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#### (57) Abstract:

The present invention is a software which aims at online hostel room allotment along with virtual tour of the specific hostel. Earlier the hostel room were allotted manually by institute authorities where students had to stand in long queues and wait for their turn which was quiet mundane and time consuming process. Now, with this novel software, students need not waste their precious time and rather the hostel room allotment can be accomplished more reliably and authentically by considering all possible allotment criteria. Students can sit at their home or any workplace and can submit their room choices as per their requirements. The provision of virtual tour helps them to get a look and feel of the hostel which will be allotted to them. This software and algorithm is indigenously developed by students of National Institute of Technology, Hamirpur.

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

(21) Application No.11090/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: POWER GENERATING DEVICE USING LIGHTNING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H05F7/00 :1209882.8 :31/05/2012 :U.K. :PCT/GB2013/000237 :22/05/2013 :WO 2013/178973 :NA :NA	(71)Name of Applicant:  1)ABU AL RUBB Khalil   Address of Applicant:Salwa Road c/o KBAS Co. P.O. Box 22599 Doha Qatar (72)Name of Inventor:  1)ABU AL RUBB Khalil
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#### (57) Abstract:

A device to harvest energy from lightning. The electrical energy of the lightning is used to heat a fluid which is then used to drive a turbine (19) to produce electricity. The electricity provided by the turbine is in a form suitable to either by used or stored. The lightning strikes an antenna (10) and is conducted through an insulated chamber (14) (15) where it heats the fluid.

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

(21) Application No.11091/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SACCHAROMYCES CEREVISIAE YEAST FOR PREVENTING AND/OR TREATING VAGINAL MYCOSES

(51) International (71) Name of Applicant:  $:\!A61K36/064,\!A61P15/02,\!A61P31/10$ classification 1)LESAFFRE ET COMPAGNIE :12 56799 (31) Priority Document No Address of Applicant: 41rue Etienne Marcel F 75001 Paris (32) Priority Date :13/07/2012 France (33) Name of priority (72) Name of Inventor: :France country 1)VANDEKERCKOVE Pascal (86) International :PCT/FR2013/051643 Application No :09/07/2013 Filing Date (87) International :WO 2014/009656 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

The present invention relates to the strain deposited with the French National Collection of Micro organism Cultures under number CNCM I 3856 or a yeast obtained by culturing said strain for the use thereof in the prevention and/or treatment of vaginal mycoses and in particular vaginal candidiasis.

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CEMENTITIOUS BINDERS ACTIVATORS AND METHODS FOR MAKING CONCRETE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C04B28/08 :1209867.9 :01/06/2012 :U.K. :PCT/GB2013/051467 :31/05/2013 :WO 2013/179065 :NA :NA :NA	(71)Name of Applicant:  1)DAVID BALL GROUP PLC Address of Applicant: Wellington Way Bourn Airfield Cambridge Cambridgeshire CB23 2TQ U.K. (72)Name of Inventor: 1)BALL David Martin James 2)LISKA Martin 3)HEWLETT Peter
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#### (57) Abstract:

A cementitious binder comprises at least 90 % by weight of a hydraulically active material comprising ground granulated blast furnace slag (GGBS) and/or pulverised fuel ash (PFA) and at least 0.1 % by weight of CaO in an activator composition for the hydraulically active material. The cementitious binder does not comprise any Portland cement and is therefore more environmentally friendly. The binder further comprises a superplasticiser such as a polycarboxylate ether (PCE). A concrete mortar grout screed or render may be formed from a mixture of the cementitious binder aggregate particles water and superplasticiser.

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

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: USER INTERFACE FOR WELDING EQUIPMENT AND SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B23K9/10 :61/694563 :29/08/2012 :U.S.A. :PCT/US2013/056677 :26/08/2013 :WO 2014/035905 :NA :NA :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)SAMMONS Michael A.  2)HERB Jeff M.  3)TOTZKE James R.  4)PATTERSON Jon M.  5)DARISIPUDI Ashok
Filing Date	:NA	

#### (57) Abstract:

A user interface for welding equipment is disclosed. The user interface comprises an architecture which organizes different types of welding controls into pre defined categories or zones. The zones are arranged in a layout on the interface to provide access to easily see and adjust important weld parameters particularly weld heat. Main displays and basic heat controls are provided in an upper portion of the display while less frequently used controls are provided lower in the display and to the side of the display. Electronic and graphic displays are arranged in levels providing a limited number of layers and can be associated with multi dimensional navigational devices and home buttons to allow for easy navigation through the display.

No. of Pages: 54 No. of Claims: 20

(21) Application No.11095/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : WIRELESS COMMUNICATION NETWORK POWER OPTIMIZATION FOR CONTROL OF INDUSTRIAL EQUIPMENT IN HARSH ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/684546 :17/08/2012 :U.S.A. :PCT/US2013/055007 :14/08/2013 :WO 2014/028661 :NA :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)DINA Daniel 2)DOWNIE Kathy Lee
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In certain embodiments a system includes a master node device. The master node device includes communication circuitry configured to facilitate communication with a welding power supply unit via a long range communication link and to facilitate wireless communication with one or more welding related devices via a short range wireless communication network. The master node device also includes control circuitry configured to manage power consumption of on board batteries of the master node device and the one or more welding related devices.

No. of Pages: 60 No. of Claims: 23

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MODULAR WELDING WIRE FEEDER 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>	:03/09/2013 :WO 2014/039456 :NA :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)MATIASH Nicholas A. 2)SAMMONS Michael A.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A wire feeder comprises a motor and drive roll assembly. The motor and drive roll assembly comprises a base assembly having a left hand side and a right hand side. A first locating mechanism is on the right hand side and a second locating mechanism is on the left hand side. Modules such as inlet or outlet guides can be located and mounted preferably on either side. Each module preferably includes an additional locating mechanism to allow an additional module to be located by the additional locating mechanism. The locating mechanisms are preferably of the same design and preferably each includes at least two holes with a locator pin disposed in each hole and each module being located includes at least locating holes to receive the locator pins.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MEDICAL USE OF PARTICLES OF TITANIUM AND/OR TITANIUM OXIDE

(51) International classification	:A61K49/04,A61K33/00	(71)Name of Applicant:
(31) Priority Document No	:12505822	1)MIGRATA U.K. LIMITED
(32) Priority Date	:04/06/2012	Address of Applicant :Totalserve House 17 Gr. Xenopoulou
(33) Name of priority country	:Sweden	Street 3106 Limassol Cyprus
(86) International Application No	:PCT/SE2013/050620	(72)Name of Inventor:
Filing Date	:29/05/2013	1)BJURSTEN Lars Magnus
(87) International Publication No	:WO 2013/184061	2)NILSSON Sven Erik
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention describes particles of titanium titanium alloy at least one type of titanium oxide or a combination thereof wherein at least a substantial amount of the particles are of micrometer millimeter size and are non spherical for use as an X ray contrast agent. The irregular shapes and/or internal pores and cavities of said particles lead to a prolonged retention time in the gastrointestinal tract leading to a longer time period available for X ray examination. Further the particles are not only chemically inert they also exhibit an anti inflammatory and anti bacterial effect on the surrounding tissue.

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

(21) Application No.11098/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MEDICAL DEVICE FOR TREATMENT OF WOUNDS

(51) International classification :A61L15/14,A61K9/14,A61K33/00

(31) Priority Document No :12505814 (32) Priority Date :04/06/2012

(33) Name of priority country: Sweden

(86) International Application :PCT/SE2013/050619

Filing Date :29/05/2013

(87) International Publication

:WO 2013/184060

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

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

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)MIGRATA U.K. LIMITED

Address of Applicant: Totalserve House 17 Gr. Xenopoulou

Street 3106 Limassol Cyprus (72)Name of Inventor:

1)BJURSTEN Lars Magnus 2)NILSSON Sven Erik

The present invention describes a medical device comprising a set of particles of titanium oxide wherein at least a substantial amount of the particles are of micrometer millimeter size and wherein at least 10 wt% of the titanium oxide is in the amorphous form.

No. of Pages: 15 No. of Claims: 16

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DIGITAL ITEM INGESTION PROCESS

(51) International classification	:G06F9/44	(71)Name of Applicant:
(31) Priority Document No	:13/542956	1)AMAZON TECHNOLOGIES INC.
(32) Priority Date	:06/07/2012	Address of Applicant :P.O. Box 81226 Seattle VA 98108 1226
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/049431	(72)Name of Inventor:
Filing Date	:05/07/2013	1)RAVIKUMAR Rahul
(87) International Publication No	:WO 2014/008462	2)MEHTA Chirag Anil
(61) Patent of Addition to Application	:NA	3)SIWAPINYOYOS Michael R.
Number	:NA	4)JOHNSON Stephen C.
Filing Date		5)GILL Sunbir
(62) Divisional to Application Number	:NA	6)PATEL Mayank Arvindbhai
Filing Date	:NA	

#### (57) Abstract:

Disclosed are various embodiments for an ingestion process modifying digital items. A computing system receives an uploaded digital item configured to communicate with a testing server application when executed. The ingestion process reconfigures the digital item to communicate with a production server application when executed. A computer system facilitates a receipt of a transaction request sent by a digital item the transaction request relating to the testing of the digital item. A computing system initiates a transaction based on the transaction request and encoding by the one or more computing devices a user interface that solicits an input to select a desired response to the transaction request.

No. of Pages: 44 No. of Claims: 15

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BENZODIOXOLE DERIVATIVE AND PREPARATION METHOD AND USE THEREOF

(51) International classification :C07D401/06,C07D491/056,A61K31/435

:201210226125.7

:PCT/CN2013/000813

:WO 2014/005421

:China

:03/07/2013

(31) Priority Document

No

(32) Priority Date :03/07/2012 (33) Name of priority

country

country (86) International

Application No
Filing Date

(87) International

Publication No (61) Patent of Addition

to Application Number
Filing Date

(22) Principle 1

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant :

1)ZHEJIANG HISUN PHARMACEUTICAL CO. LTD.

Address of Applicant :46 Waisha Road Jiaojiang District

Taizhou Zhejiang 318000 China

(72)Name of Inventor:

1)BAI Hua

2)ZHAO Xuyang 3)ZHONG Jinqing

4)GONG Yongxiang

5)ZHU Qifeng 6)LIU Xiaoyu

7)ZHENG Xiaohe

8)LIU Lifei

## (57) Abstract:

Provided in the present invention are novel benzodioxole derivatives and the preparation method thereof. These compounds of formula (I) or pharmaceutically acceptable salts thereof have acetylcholine esterase inhibitory activity so can be used in the treatment or prevention of Alzheimer's disease. The definitions of R1, R2 and A of formula (I) can be seen in the description.

No. of Pages: 60 No. of Claims: 31

(21) Application No.11113/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: IMPROVED SYRINGE

(51) International

:B65B31/04,B65B51/26,B65B51/30

classification

(31) Priority Document No :1210082.2

(32) Priority Date

:07/06/2012

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2013/051508

:07/06/2013

Filing Date

(87) International Publication :WO 2013/182857

(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)CONSORT MEDICAL PLC

Address of Applicant :Ground Floor Suite D Breakspear Park

Breakspear Way Hemel Hempstead HP2 4UL U.K.

(72)Name of Inventor:

1)ANDERSON Ian

2)EKMAN Matt

3)KOPPELMAN Rachel Suzanne

A syringe propellable by propellant that boils at a predetermined temperature the syringe comprising a barrel having an outlet at a front end and a stopper axially moveable in the barrel. The stopper defines and separates a first chamber and a second chamber the first chamber being axially forwards of the stopper and being configured for containing a medicament and the second chamber being axially rearwards of the stopper and being configured to receive propellant for acting on the stopper to move the stopper axially forwardly in the barrel to expel medicament through the outlet upon actuation of the syringe. The syringe further comprises a rupturing portion and a third chamber for containing propellant where the third chamber is rupturable. The rupturing portion is configured to rupture the third chamber upon actuation of the syringe to fluidly connect the third chamber to the second chamber and release liquid propellant from the third chamber so that the pressure in the second chamber increases at or above the predetermined temperature causing the stopper to move axially forwardly and begin to expel medicament from the first chamber through the outlet. When propellant is released into the second chamber the pressure in the second chamber increases over a first time period to a first pressure causing the stopper to move axially forwardly to begin expulsion of medicament from the first chamber through the outlet. The syringe is configured such that while the medicament is expelled from the first chamber the pressure in the second chamber changes over a second time period from the first pressure to a second pressure. When substantially all the medicament has been expelled from the first chamber the pressure in the second chamber increases over a third time period towards a third pressure. The magnitude of the second pressure and the rate of increase of the pressure in the second chamber during the third time period are controlled by the thermal conductivity of the components of the syringe defining the second chamber the rate of delivery of propellant to the second chamber and the phase of the propellant during delivery into the second chamber. The third pressure is substantially equal to the vapour pressure of the propellant at ambient temperature at the instantaneous volume of the vaporised propellant and at the third pressure the syringe contains liquid propellant.

No. of Pages: 55 No. of Claims: 88

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : DRIVE ROLL CARRIER FOR WELDING WIRE FEEDER WITH GEAR HUB AND RETAINER FOR THE DRIVE ROLL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B23K9/133,B65H51/10 :61/692806 :24/08/2012 :U.S.A. :PCT/US2013/056266 :22/08/2013 :WO 2014/031893	(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)LAHTI Thomas D. 2)MATIASH Nicolas A.
<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:

A drive roll carrier (36) is provided for use with a wire feeder for a welder that includes a hub (46) that can be rotated by a gear (42) and that may include at least one lug (60) that extends longitudinally along and radially out from the hub (46) and at least one retainer (92) that extends from an outer surface of the hub (46). The retainer (92) is fixed in a longitudinal direction with respect to the hub (46) and is movable in a radial direction for allowing mounting of a drive roll onto the hub (46). An outer end of the lug (60) may include an alignment segment that has a different profile shape than the rest of the lug (60) to facilitate alignment of a mounting groove of the drive roll with the lug (60).

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

(21) Application No.11101/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: POLYMER COATINGS

(51) International classification	:C09D133/26	(71)Name of Applicant:
(31) Priority Document No	:61/657508	1)ILLUMINA INC.
(32) Priority Date	:08/06/2012	Address of Applicant :5200 Illumina Way San Diego
(33) Name of priority country	:U.S.A.	California 92122 U.S.A.
(86) International Application No	:PCT/US2013/044305	(72)Name of Inventor:
Filing Date	:05/06/2013	1)GEORGE Wayne N.
(87) International Publication No	:WO 2013/184796	2)BRATTON Daniel
(61) Patent of Addition to Application	:NA	3)BROWN Andrew A.
Number	:NA	4)REN Hongji
Filing Date	.IVA	5)SMITH Ryan C.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to polymer coatings covalently attached to the surface of a substrate and the preparation of the polymer coatings such as poly(N-(5 azidoacetamidylpentyl)acrylamide co acrylamide) (PAZAM) in the formation and manipulation of substrates such as molecular arrays and flow cells. The present disclosure also relates to methods of preparing a substrate surface by using beads coated with a covalently attached polymer such as PAZAM and the method of determining a nucleotide sequence of a polynucleotide attached to a substrate surface described herein.

No. of Pages: 90 No. of Claims: 50

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: WIRE FEEDER ASSEMBLY WITH MOTOR MOUNT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B23K9/133 :13/601544 :31/08/2012 :U.S.A. :PCT/US2013/057165 :28/08/2013 :WO 2014/036191 :NA :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)MATIASH Nicholas A. 2)LAHTI Thomas D. 3)PATTERSON Jon M.
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#### (57) Abstract:

A wire feeder has a motor (102) mounting plate (1) intermediate mounting plate (4) and base assembly (101). The mounting plate (1) has a plurality of mounting hole (21) patterns and a shaft hole (19). The motor has a mounting hole pattern that aligns with at least one of the plurality (21). One of a plurality of motor types can be mounted to the mounting plate (1). The mounting plate (1) is mounted to the intermediate mounting plate (4) which is mounted to the base assembly (101). The base assembly (101) includes a drive gear (302) which is connected to rotate with an insulating cap (304) that receives a gear hub (306). The gear hub (306) is connected to rotate with the motor shaft (18) via matching keys. The insulating hub (306) intermediate mounting plate (4) and mounting plate (1) are electrically insulating so that the base assembly (101) is electrically isolated from the motor (102).

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

(21) Application No.11103/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : WIRELESS COMMUNICATION NETWORK SENSOR INFORMATION FOR CONTROL OF INDUSTRIAL EQUIPMENT IN HARSH ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/684556 :17/08/2012 :U.S.A. :PCT/US2013/055008 :14/08/2013 :WO 2014/028662 :NA :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)DINA Daniel 2)DOWNIE Kathy Lee
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In certain embodiments a system includes a master node device. The master node device includes communication circuitry configured to facilitate communication with a welding power supply unit via a long range communication link and to facilitate wireless communication with one or more welding related devices via a short range wireless communication network. The master node device also includes control circuitry configured to receive sensor data from one or more sensors within a physical vicinity of the short range wireless communication network and to route the sensor data to final destinations for the one or more sensors.

No. of Pages: 60 No. of Claims: 25

(21) Application No.11104/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : WIRELESS COMMUNICATION NETWORK IMPROVED ROBUSTNESS FOR CONTROL OF INDUSTRIAL EQUIPMENT IN HARSH ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/684525 :17/08/2012 :U.S.A. :PCT/US2013/055006 :14/08/2013 :WO 2014/028660 :NA :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)DINA Daniel 2)DOWNIE Kathy Lee
Filing Date	:NA :NA	

#### (57) Abstract:

In certain embodiments a system includes a master node device. The master node device includes communication circuitry configured to facilitate communication with a welding power supply unit via a long range communication link and to facilitate wireless communication with one or more welding related devices via a short range wireless communication network. The master node device also includes control circuitry configured to continuously improve reliability of wireless communications between the communication circuitry and the one or more welding related devices via the short range wireless communication network.

No. of Pages: 60 No. of Claims: 26

(21) Application No.11114/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD OF MANUFACTURING A PROPELLANT CONTAINER AND SYRINGE COMPRISING A PROPELLANT CONTAINER

(51) International :B65B31/04,B65B51/26,B65B51/30

classification

(31) Priority Document No :1210082.2 (32) Priority Date :07/06/2012 (33) Name of priority country: U.K.

(86) International Application :PCT/GB2013/051510 No

:07/06/2013 Filing Date

(87) International Publication: WO 2013/182859

(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)CONSORT MEDICAL PLC

Address of Applicant :Ground Floor Suite D Breakspear Park

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(72) Name of Inventor: 1)ANDERSON Ian

2)WILLOUGHBY Alastair McKean

## (57) Abstract:

A method of manufacturing a container containing propellant comprising the steps of: i) sealing a first sheet of rupturable material to a second sheet of rupturable material to form a lower seal and two side seals; ii) placing a propellant dispensing apparatus in fluid communication with a central volume defined by said lower seal said two side seals and a seal between the propellant dispensing apparatus and the first and second sheets; iii) depositing propellant in the central volume using said propellant dispensing apparatus; and iv) sealing the first sheet to the second sheet to form an upper seal to form a container where the propellant is contained between said upper seal said lower seal and said two side seals.

No. of Pages: 45 No. of Claims: 42

(21) Application No.11115/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: IMPROVED SYRINGE

(51) International :B65B31/04,B65B51/26,B65B51/30

classification (31) Priority Document No :1210082.2

(32) Priority Date :07/06/2012 (33) Name of priority country: U.K.

(86) International Application :PCT/GB2013/051509

:07/06/2013 Filing Date

(87) International Publication :WO 2013/182858

(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)CONSORT MEDICAL PLC

Address of Applicant :Ground Floor Suite D Breakspear Park

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(72) Name of Inventor:

1)ANDERSON Ian

2)KOPPELMAN Rachel Suzanne 3)WILLOUGHBY Alastair McKean

4) JENNINGS Douglas

#### (57) Abstract:

A syringe propellable by propellant that boils at a predetermined temperature the syringe comprising a barrel having an outlet at a front end and a stopper axially moveable in the barrel. The stopper defines and separates a first chamber and a second chamber the first chamber being axially forwards of the stopper and being configured for containing a medicament and the second chamber being axially rearwards of the stopper and being configured to receive propellant for acting on the stopper to move the stopper axially forwardly in the barrel to expel medicament through the outlet upon actuation of the syringe. The syringe further comprises a third chamber for containing propellant. The syringe is configured such that in use upon actuation of the syringe liquid propellant is released from the third chamber and boils outside of the third chamber at or above the predetermined temperature to provide an increasing vapour pressure in the second chamber that causes the stopper to move axially forwardly and begin to expel medicament from the first chamber through the outlet. The syringe further comprises at least one trigger for triggering an action upon activation of said trigger wherein the trigger is activated in response to the pressure in the second chamber satisfying a predetermined condition.

No. of Pages: 91 No. of Claims: 80

(21) Application No.11116/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

(54) Title of the invention: VENTING SYRINGE

(51) International

:B65B51/26,B65B51/30,A61M5/20

classification

(31) Priority Document No :1210082.2 (32) Priority Date :07/06/2012

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2013/051512 :07/06/2013

:WO 2013/182861

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

(71)Name of Applicant:

1)CONSORT MEDICAL PLC

Address of Applicant :Ground Floor Suite D Breakspear Park

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(72) Name of Inventor:

1)ANDERSON Ian

2)KOPPELMAN Rachel Suzanne 3)WILLOUGHBY Alastair McKean

4)STROOBANT Joshua Daniel

(57) Abstract:

A syringe propellable by a propellant that boils at a predetermined temperature the syringe comprising a barrel having an outlet at a front end a stopper axially moveable in the barrel and a third chamber for containing propellant. The stopper defines and separates a first chamber and a second chamber the first chamber being axially forwards of the stopper and being configured for containing a medicament and the second chamber being axially rearwards of the stopper and being configured to receive propellant for acting on the stopper to move the stopper axially forwardly in the barrel to expel medicament through the outlet upon actuation of the syringe. The syringe is configured such that in use upon actuation of the syringe liquid propellant is released from the third chamber and boils outside of the third chamber at or above the predetermined temperature to provide an increasing vapour pressure in the second chamber that causes the stopper to move axially forwardly and begin to expel medicament from the first chamber through the outlet. During forward axial movement of the stopper in the barrel propellant vents away from the second chamber through a vent hole.

No. of Pages: 42 No. of Claims: 31

(21) Application No.11130/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

(54) Title of the invention: SAFETY CABINET

(51) International classification :B01L1/00,B04B15/00,F24F7/00 (71)Name of Applicant :

:14/06/2013

(31) Priority Document No :2012222133 (32) Priority Date :04/10/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/066465 No

Filing Date

(87) International Publication No: WO 2014/054315

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO.

Address of Applicant: 3 Kanda Neribei cho Chiyoda ku Tokyo

1010022 Japan

(72) Name of Inventor: 1)KANEKO Takeshi

2)ONO Keiichi

## (57) Abstract:

Provided is a safety cabinet configured so that an inflowing air flow is not affected by the position and size of a device mounted in a work space and by the operation of equipment such as the operation of opening and closing the lid of a centrifugal separator. A safety cabinet is provided with a work space in which a worker works a front face shutter which is formed at the front face of the work space a work opening section which is located below the front face shutter and which is interconnected with the work space and an air discharge means which sucks air from the work opening section and discharges the air within the work space by means of a blower to the outside of the safety cabinet through an air purification means. The safety cabinet is characterized in that a front face shutter flow regulation plate which is tilted toward the inside of the work space is formed on the underside of the front face shutter that the safety cabinet is provided with left and right side wall surfaces within the work surface that side air discharge passages are formed by the side wall surfaces and by the side surfaces of the safety cabinet that slits are formed in the left and right side wall surfaces and that air within the work space is sent to the side air discharge passages through the slits and discharged through the air purification means.

No. of Pages: 60 No. of Claims: 8

(21) Application No.11131/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: SWITCH

(51) International classification :H01H33/59,H01H33/66,H01H33/666

(31) Priority Document No :2012163215 (32) Priority Date :24/07/2012

(32) Priority Date :24/07/2012 (33) Name of priority

country :Japan

(86) International :PCT/JP2013/067433

Application No Filing Date :26/06/2013

(87) International :WO 2014/017241

Publication No
(61) Patent of Addition to
:NA

Application Number :NA Filing Date

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

(71)Name of Applicant : 1)HITACHI LTD.

Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku

Tokyo 1008280 Japan (72)Name of Inventor:
1)SATO Takashi
2)MORITA Ayumu
3)YANO Makoto

4)TSUCHIYA Kenji 5)NAKAZAWA Akio

## (57) Abstract:

An objective of the present invention is to provide a switch whereby a roughening of an electrode surface is avoided and reliability is high. To resolve the problem a switch comprises a plurality of switch parts (2, 3) each further comprising a fixed electrode and a moving electrode which is positioned opposite the fixed electrode and either closes or opens vis vis the fixed electrode. The plurality of switch parts (2, 3) carry out an input and a blocking of a current which flows through the switch. The plurality of switch parts (2, 3) is electrically connected in series. Furthermore the plurality of switch parts (2, 3) are formed such that after one of the switch parts (3) is closed the other switch part (2) is closed.

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

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: ROTARY ELECTRIC MACHINE CONTROL SYSTEM AND ROTARY ELECTRIC MACHINE **CONTROL METHOD**

(51) International :H02P21/00,H02K19/12,H02K19/28

classification :2012224373

(31) Priority Document No (32) Priority Date :09/10/2012 (33) Name of priority country: Japan

(86) International :PCT/IB2013/002210 Application No

:24/09/2013 Filing Date

(87) International Publication :WO 2014/057333

(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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

(72) Name of Inventor: 1)YAMADA Eiji 2)HIRAMOTO Kenji

## (57) Abstract:

A rotary electric machine control system includes a control device that controls a rotary electric machine. When there is a current phase at which a reluctance torque is maximum between a first current phase (O1) of a first current vector (I1) on which current pulses have not been superimposed yet and a second current phase  $(\Theta_2)$  of a second current vector (I2) obtained by increasing a daxis current and reducing a q axis current the control device sets an intermediate current vector (Im) having an intermediate phase (Om) between the first and second current phases  $(O_1, \Theta_2)$ . The intermediate current vector (Im) is set so as to be larger than an imaginary current vector (Ima) at the intermediate phase (Om) in the case where a vector locus is varied in a straight line from the first current vector (I1) to the second current vector (I2). The current pulses are generated by changing the current vector in order of Ii, Im and I2 and returning the current vector in order of Im and I.

No. of Pages: 35 No. of Claims: 6

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: A CONTAINER FOR A HEALTH PRODUCT HOUSING INSIDE AN INFORMATION LEALEFT AND A METHOD FOR MAKING THE CONTAINER.

(51) International classification :B65D5/42 (31) Priority Document No :BO2012A000397 (32) Priority Date :20/07/2012 (33) Name of priority country :Italy (86) International Application No :PCT/IB2013/055865 (72)Name of Inventor : Filing Date :17/07/2013 (87) International Publication No :WO 2014/013441 (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)ESSENTRA PACKAGING S.r.l.

Address of Applicant: Via Copernico 54 I 29027

PODENZANO (Piacenza) Italy

1)FOLCHINI Enrico 2) COTTIGNOLI Tullio

3)CASAZZA Mario

#### (57) Abstract:

Described is a container (1) for a health product (2) belonging to the category of drugs cosmetics food supplements or the like which houses inside an information leaflet (5) relative to the product (2) contained therein the information leaflet (5) folded on itself is fixed to the container (1) by means of a label (11) made of plastic material; the latter is permanently fixed to an outer face (6) of the information leaflet (5) folded on itself by means of a first adhesive substance and it is also stably and removably fixed by means of a second adhesive substance to the inner face (9) of the blank (8) from which the container (1) is obtained by folding and gluing.

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

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AUTONOMOUS HYDROELECTRIC SYSTEM FOR GENERATING ELECTRICITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:F03B17/00,F03G7/10 :137212 :28/05/2012 :Chile :PCT/CL2013/000030 :28/05/2013 :WO 2013/177718	(71)Name of Applicant:  1)RIVERA MADARIAGA Juan Humberto Address of Applicant:Do±a Leticia Quilicura Santiago Chile (72)Name of Inventor:  1)RIVERA MADARIAGA Juan Humberto
<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 concerns a complete ecological stationary hydroelectric system for generating large quantities of electricity by using and discharging water from tanks disposed at different levels as a primary movement. According to the invention the discharged water activates a rotational system consisting of two turbines generating an axial movement which activates the boosting system which maintains permanent rotation providing stepwise feedback in each of the steps by the automatic connection of various strategically located boosting systems such that a further increase is obtained in each step and the boosting system providing the output generator with sufficient torque.

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

(21) Application No.11122/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BELT WITH A FAST DETACHABLE BUCKLE HOLDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A44B11/00 :RM2012U000103 :19/06/2012 :Italy :PCT/IT2013/000164 :07/06/2013 :WO 2013/190584 :NA :NA :NA	(71)Name of Applicant:  1)IANNACE Sandro Address of Applicant: Via Vitaliano Rotellini 101 I 00128 Roma Italy (72)Name of Inventor: 1)IANNACE Sandro
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## (57) Abstract:

The quick release belt buckle for garments allows people to be able to undergo the controls of the radiogenic equipment placed in airports seaports museums public and private offices etc. without the belt to be removed and re threaded through the loops eyelets and related items of clothing. These operations are uncomfortable annoying long often made in precarious complicated and uncomfortable situations. In addition the release by the removal of the buckle (metal element) alone simple and quick operation significantly reduces the inspections time uncomfortable slowdowns and therefore the queues particularly at the security controls. In addition being useful and practical the novelty provides an impulse to the producing and commercial sector of the article.

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

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : APPARATUS AND METHODS FOR REDUCING ELECTRICAL SHOCK HAZARD FROM BIOSENSOR METERS

(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 (62) Divisional to Application Number Filing Date (51) International Classification (51) Color (51)	(71)Name of Applicant:  1)BAYER HEALTHCARE LLC Address of Applicant:555 White Plains Road Tarrytown NY 10591 U.S.A. (72)Name of Inventor: 1)GOFMAN Igor
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#### (57) Abstract:

A biosensor meter (10a) is provided for determining an analyte concentration in a fluid such as glucose in blood. The biosensor meter includes a USB port (14a) having a first data signal port terminal (32d) and a detection circuit (50a) including a first input terminal and an output terminal. The first input terminal of the detection circuit (50a) is coupled to the first data signal port terminal (32d). The detection circuit (50a) provides at the output terminal a first output signal when a current sensed at the first input terminal is greater than or equal to a first predetermined amount and a second output signal when the current sensed at the first input terminal is less than the first predetermined amount. The detection circuit is configured to detect whether the USB port (14a)of the biosensor meter (10a) is connected to the USB port (14b) of another electronic device such as a computer (12) and to prompt the meter s user for not carrying out a measurement in order to reduce the risk of electrical shock.

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

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: SATELLITE NAVIGATION SIGNAL AND GENERATION METHOD GENERATION DEVICE RECEIVING METHOD AND RECEIVING DEVICE THEREFOR

(51) International classification: H04L25/02, H04L27/26, H04L5/00 (71) Name of Applicant:

:WO 2013/181932

(31) Priority Document No :201210186757.5

(32) Priority Date :07/06/2012

(33) Name of priority country :China

(86) International Application :PCT/CN2013/000675

:06/06/2013

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)TSINGHUA UNIVERSITY

Address of Applicant :Qinghuayuan Haidian District Beijing

(72) Name of Inventor:

1)YAO Zheng

2)LU Mingquan

## (57) Abstract:

Provided are a satellite navigation signal and a generation method generation device receiving method and receiving device for a satellite navigation signal. The satellite navigation signal generation device comprises a baseband signal generator a multiplexing signal generator and a modulator. The baseband signal generator generates a first baseband signal S1, a second baseband signal S2, a third baseband signal S3 and a fourth baseband signal S4. The multiplexing signal generator sets the amplitudes and phases of in phase baseband components and quadrature baseband components of a multiplexing signal of the first baseband signal S1, the second baseband signal S2, the third baseband signal S3 and the fourth baseband signal S4, so as to generate a multiplexing signal having a constant envelope. The modulator modulates the multiplexing signal having the constant envelope to a radio frequency to generate a satellite navigation signal. The first baseband signal S and the second baseband signal S2 are modulated at a first carrier frequency and their carrier phases are orthogonal to each other and the third baseband signal and the fourth baseband signal are modulated at a second carrier frequency and their carrier phases are orthogonal to each other.

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

(21) Application No.11134/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: WIRELESS TRANSMISSION DEVICE WIRELESS TRANSMISSION SYSTEM AND COMMUNICATION LINE SELECTION METHOD

(51) International classification :H04L29/14,H04L12/437 (71)Name of Applicant : (31) Priority Document No :2012148403 (32) Priority Date :02/07/2012 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/003962 Filing Date :25/06/2013

(87) International Publication No :WO 2014/006847

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

1)NEC CORPORATION

Address of Applicant: 7 1Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)OTSU Makoto

#### (57) Abstract:

In order to continue transmission of extra traffic in the absence of an unused transmission path a wireless transmission system according to the present invention including two or more wireless transmission devices connected via a plurality of wireless transmission paths is provided with a switching control unit. The wireless transmission devices transmit traffic to each other via a selected one of the plurality of wireless transmission paths. When a fault arises in the wireless transmission path for transmitting the traffic the switching control unit determines whether the traffic can be transmitted by using the wireless transmission path with the fault i.e. the faulty transmission path. If the transmission is possible the switching control unit selects the faulty transmission path as the wireless transmission path for transmitting the traffic.

No. of Pages: 62 No. of Claims: 16

(21) Application No.11135/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: REFRIGERATOR

(51) International classification	:F25D19/00	(71)Name of Applicant:
(31) Priority Document No	:2012160212	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:19/07/2012	Address of Applicant :1 1 Shibaura 1 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1058001 Japan
(86) International Application No	:PCT/JP2013/000829	2)TOSHIBA LIFESTYLE PRODUCTS & SERVICES
Filing Date	:15/02/2013	CORPORATION
(87) International Publication No	:WO 2014/013636	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)AMAO Katsuhisa
Number	:NA	2)KONDO Toshiyuki
Filing Date	.INA	3)SATO Masatoshi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A refrigerator of one embodiment is provided with a machine chamber. The machine chamber is disposed on the bottom of a cabinet towards the rear surface and the front and rear sides of the machine chamber are separated from the cabinet by means of a front wall. A condenser is disposed within the machine chamber towards the back relative to the front wall with a space between the condenser and the front wall. A heat dissipation fan is disposed behind the condenser so as to face the condenser. An air inlet part is disposed on a bottom part which partitions the bottom surface of the machine chamber below the space formed by the front wall and the condenser and brings the machine chamber into communication with the outside.

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

(21) Application No.11137/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: BACKLIT CAR NAMEPLATE (ALTERNATIVES)

:NA

:B60Q1/56,G09F13/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ZHAROV Aleksandr Alekseevich :2012121939 :29/05/2012 (32) Priority Date Address of Applicant: Volzhskij bulvar kvartal 113 A korpus 2 (33) Name of priority country kv. 15 Moscow 109462 Russia :Russia (86) International Application No :PCT/RU2013/000033 | (72)Name of Inventor : Filing Date :17/01/2013 1)ZHAROV Aleksandr Alekseevich (87) International Publication No :WO 2013/180595 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date

## (57) Abstract:

The invention relates to decorative elements for a car. The backlit car nameplate comprises a basic element a first translucent element and a light source. The basic element is formed from non translucent material. An aperture is formed on the upper surface side of the basic element. The first translucent element is arranged in the aperture of the basic element. The light source makes it possible for light radiation to pass from the light source through the first translucent element. According to the first alternative a connecting surface of the basic element provides for the fixing of the device to a car body. According to the second alternative the nameplate comprises a second translucent element. The connecting surface of the basic element is connected to the connecting surface of the second translucent element. The connecting surface of the second translucent element makes it possible to fix the device to the car body. The light source makes it possible for light radiation to pass through the first translucent element and through the second translucent element. An increase in luminosity is achieved.

No. of Pages: 16 No. of Claims: 2

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MANUFACTURING METHOD FOR (METH)ACRYLIC RESIN COMPOSITION

:C08F2/01,C08F2/02,C08F6/28 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012147996 1)KURARAY CO. LTD. (32) Priority Date :29/06/2012 Address of Applicant: 1621 Sakazu Kurashiki shi Okayama (33) Name of priority country :Japan 7100801 Japan (72) Name of Inventor: (86) International Application No :PCT/JP2013/004036 Filing Date :28/06/2013 1)OZAWA Hiroshi (87) International Publication No :WO 2014/002503 2)TANAKA Shouji (61) Patent of Addition to 3)KITADE Yasuhito :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

A method of producing a (meth)acrylic resin composition. The method comprises a step of continuously feeding a reaction raw material including a chain transfer agent, a radical polymerization initiator and a monomer mixture comprising 80 to 100 % by mass of methyl methacrylate and 20 to 0 % by mass of an alkyl acrylate to a tank reactor through two or more feeding ports; a step of bulk polymerizing the monomer mixture in the tank reactor until a polymerization conversion of 40 to 70 % by mass to prepare a reaction product; and a step of removing the monomer mixture from the reaction product. The perfect mixing time ( $\theta$ M [hr]) of the tank reactor, the half-life ( $\tau$ 1 / 2 [hr]) of the radical polymerization initiator at the temperature in the tank reactor, the stirring power (PV [kW/m3 ]) of the tank reactor, the mean residence time ( $\theta$  [hr]) of the reaction raw material in the tank reactor, and the concentration (I [ppm]) of the radical polymerization initiator in the reaction raw material satisfy the following relationships:  $\theta$ M >  $\tau$ 1 / 2 , and PV —  $\theta$ —I— $\tau$ 1 / 2 < 4.

No. of Pages: 43 No. of Claims: 4

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR PRODUCING (METH)ACRYLIC RESIN COMPOSITION

:C08F6/28,C08F2/02,C08F20/14 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012147997

(32) Priority Date :29/06/2012

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2013/004037 Filing Date :28/06/2013 (87) International Publication No: WO 2014/002504

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

:NA Number :NA Filing Date

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7100801 Japan

(72) Name of Inventor: 1)OZAWA Hiroshi 2)TANAKA Shouji 3)KITADE Yasuhito

## (57) Abstract:

A method for producing a (meth)acrylic resin composition involving: a step in which a reaction product is obtained by continuously supplying a monomer mixture containing 80 to 100 mass% of methyl methacrylate and 20 to 0 mass% of alkyl ester acrylate to a tank reactor and by subjecting the monomer mixture to bulk polymerization until a polymerization inversion rate of 40 to 70 mass% is reached; a step in which the reaction product is continuously extracted and then heated to 200 to 270°C in a heater and in which unreacted monomers are separated by using an extruder having a vent; and a step in which the separated unreacted monomers are transported via an inactive gas flow and are re used as the starting material for the monomer mixture.

No. of Pages: 40 No. of Claims: 8

(21) Application No.11141/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: IMAGING ELEMENT AND IMAGING DEVICE

(51) International classification :H04N5/374,H01L27/146,H04N5/378

(31) Priority Document No :2012131232

(32) Priority Date :08/06/2012(33) Name of priority

country :Japan

(86) International :PCT/JP2013/003533

Application No Filing Date :05/06/2013

(87) International

Publication No :WO 2013/183291

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

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

(71)Name of Applicant:
1)NIKON CORPORATION

Address of Applicant :12 1 Yurakucho 1 chome Chiyoda ku

Tokyo 1008331 Japan (72)Name of Inventor: 1)MURATA Hironobu

## (57) Abstract:

Provided is an imaging element provided with an imaging chip comprising multiple pixels arranged in a matrix form and with a signal processing chip which is laminated on the imaging chip and includes elements which perform signal processing on pixel signals outputted from the pixels and which are arranged in each of one or multiple pixel rows or each of one or multiple pixel columns. For example the signal processing elements may be A/D converters which convert the pixel signals outputted from the pixels into digital signals and when the pixel signals outputted from the pixels are converted into digital signals two or more of said A/D converters are controlled in parallel.

No. of Pages: 31 No. of Claims: 12

(21) Application No.11142/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NOVEL STRAIN OF LACTOBACILLUS CRISPATUS

(51) International classification :C12N1/20,A61K35/74,C12R1/225

(31) Priority Document No :1256569 (32) Priority Date :09/07/2012

(33) Name of priority country: France

(86) International Application :PCT/EP2013/064424

No Filing Date :09/07/2013

(87) International Publication :WO 2014/009330

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

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

(71)Name of Applicant:

1)S.P.M.D

Address of Applicant: 174 quai de Jemmapes F 75010 Paris

France

(72)Name of Inventor: 1)NIVOLIEZ Adrien

(57) Abstract:

The invention relates to an isolated strain of Lactobacillus crispatus identified as IP174178 and deposited at the CNCM under number I 4646 or an isolated strain having the same characteristics as IP174178. The invention also relates to a pharmaceutical composition or a nutraceutical composition comprising such a strain and to the use thereof for the treatment or prevention of genital infections.

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

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PROCESS FOR SEPARATION OF RENEWABLE MATERIALS FROM MICROORGANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/666096 :29/06/2012 :U.S.A. :PCT/US2013/048532 :28/06/2013 :WO 2014/004999 :NA :NA	(71)Name of Applicant:  1)BP BIOFUELS UK LIMITED  Address of Applicant: Sunbury on Thames Middlesex  Middlesex TW16 7BP U.K.  (72)Name of Inventor:  1)SELLERS Martin John  2)JEFFERS David  3)DUMENIL Jean Charles  4)PAI Vidya  5)BORDEN Jacob
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Methods of separating renewable materials such as lipids from microorganisms such as oleaginous yeasts may include conditioning cell walls of the microorganisms to form open or enlarge pores and removing at least a portion of the renewable material through the pores. These methods may result in delipidated microorganisms with cell walls that are substantially intact and with mesopores. These delipidated microorganisms may be used to produce biofuels.

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

(21) Application No.11146/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR WELDING SYSTEM CABLE MANAGEMENT

(51) International :B23K11/24,B23K9/32,H02G15/06 classification

(31) Priority Document No :61/698103 (32) Priority Date :07/09/2012

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

(86) International Application :PCT/US2013/058589

:06/09/2013

Filing Date

(87) International Publication

:WO 2014/039876

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

(62) Divisional to Application :NA Number :NA

Filing Date

(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)SAMMONS Michael Allen

## (57) Abstract:

Embodiments of the present disclosure include a cable management system 10 with a housing 12 comprising a first shell 16 and a second shell 18. The first 16 and second 18 shells form openings at ends of the housing such that a welding system cabling is capable of extending through the openings and such that edges of the openings enclose a perimeter of the welding system cabling when the first and second shells are coupled together about the welding system cabling. A cradle 28 receives a weld cable of the welding system cabling. A cable clamp 30 engages the weld cable and cooperates with the cradle to restrict movement of the weld cable when the weld cable is disposed in the cradle and the cable clamp is engaged.

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

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MODULAR WIRE FEEDER ASSEMBLY

(51) International classification	:B23K9/133	(71)Name of Applicant:
(31) Priority Document No	:13/601405	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:31/08/2012	Address of Applicant :155 Harlem Avenue Glenview Illinois
(33) Name of priority country	:U.S.A.	60025 U.S.A.
(86) International Application No	:PCT/US2013/057162	(72)Name of Inventor:
Filing Date	:28/08/2013	1)MATIASH Nicholas A.
(87) International Publication No	:WO 2014/036188	2)LAHTI Thomas D.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A wire feeder has a motor (102) mounting plate (1) intermediate mounting plate (4) and base assembly (101). The mounting plate (1) has a plurality of mounting hole patterns (21, 22) and a shaft hole (19). The motor (102) has a mounting hole pattern that aligns with at least one of the plurality. One of a plurality of motor types can be mounted to the mounting plate (1). The mounting plate (1) is mounted to the intermediate mounting plate (4) which is mounted to the base assembly (101). The base assembly (101) includes a drive gear (302) which is connected to rotate with an insulating cap (304) that receives a gear hub (306). The gear hub (306) is connected to rotate with the motor shaft (18) via matching keys. The insulating hub (306) intermediate mounting plate (4) and mounting plate (1) are electrically insulating so that the base assembly (101) is electrically isolated from the motor (102).

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

(21) Application No.11106/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : WIRELESS COMMUNICATION NETWORK ASSOCIATION AND SECURITY FOR CONTROL OF INDUSTRIAL EQUIPMENT IN HARSH ENVIRONMENTS

<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>	:B23K9/10,H04W8/26 :61/684513 :17/08/2012 :U.S.A.	(71)Name of Applicant: 1)ILLINOIS TOOL WORKS INC. Address of Applicant:155 Harlem Avenue Glenview Illinois 60025 U.S.A.
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number		(72)Name of Inventor : 1)DINA Daniel 2)DOWNIE Kathy Lee
Filing Date	:NA :NA	

#### (57) Abstract:

In certain embodiments a system includes a master node device. The master node device includes communication circuitry configured to facilitate communication with a welding power supply unit via a long range communication link and to facilitate wireless communication with one or more welding related devices via a short range wireless communication network. The master node device also includes control circuitry configured to associate the one or more welding related devices with the short range wireless communication network. The master node device further includes means for manually initiating association of the one or more welding related devices with the short range wireless communication network.

No. of Pages: 59 No. of Claims: 21

(21) Application No.11108/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: PROCESS FOR DEPIGMENTING KERATIN MATERIALS USING NOVEL RESORCINOL BASED **COMPOUNDS**

(51) International :C07C69/732,C07C235/34,A61Q19/02 classification

:France

(31) Priority Document No:1255752 :19/06/2012 (32) Priority Date

(33) Name of priority

country

(86) International

:PCT/EP2013/062623 Application No :18/06/2013

Filing Date

(87) International :WO 2013/189930 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)LOREAL

Address of Applicant :14 rue Royale F 75008 Paris France

(72)Name of Inventor: 1)MARAT Xavier

## (57) Abstract:

Process for depigmenting keratin materials using novel resorcinol based compounds The invention relates to compounds of formula (I): in which: R denotes a hydrogen atom or an acetyl group; Y denotes a radical chosen from OR and NAR; The invention also relates to a cosmetic process for depigmenting lightening and/or bleaching keratin materials especially the skin using these compounds (I).

No. of Pages: 64 No. of Claims: 14

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SECURE IDENTIFICATION DOCUMENT WITH ABLATED FOIL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :PCT/US2012/046376 :12/07/2012 :WO 2014/011172 :NA :NA	(71)Name of Applicant:  1)DATACARD CORPORATION Address of Applicant:11111 Bren Road West Minnetonka MN 55343 U.S.A. (72)Name of Inventor: 1)NUGENT Nicholas Oliver 2)WARWICK Dennis James 3)BEECH Brian
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## (57) Abstract:

A security feature is formed in a window region in which an ablatable foil element is disposed. The security feature can be a portrait image of the intended holder of the identification document or any other personal data of the intended holder. The security feature is added to the foil element at the time of personalization of the document using a laser to ablate (i.e. remove) metal from the foil. The resulting security feature can be transparent. In addition a variable data security feature is provided that extends across the boundary between the window region and the remainder of the card body.

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

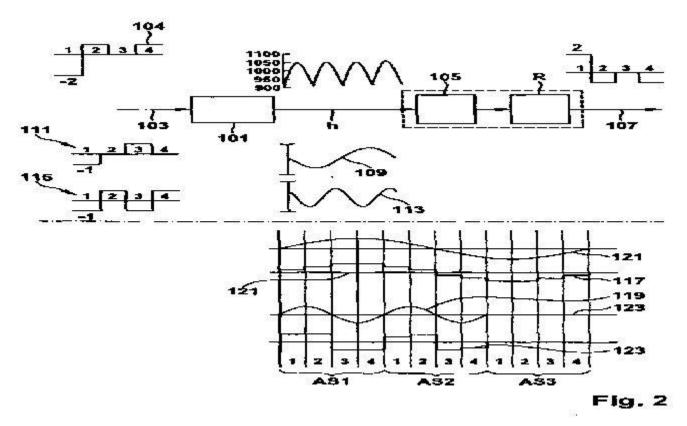
(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING THE SMOOTH OPERATION OF AN INTERNAL COMBUSTION ENGINE

(51) T	E00D 41/16	
(51) International classification	:F02D41/16	(71)Name of Applicant :
(31) Priority Document No	:10	1)ROBERT BOSCH GMBH
(31) Thority Bocument 10	2011077698.2	Address of Applicant :POSTFACH 30 02 20, 70442
(32) Priority Date	:17/06/2011	STUTTGART, GERMANY Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)SKALA, PETER
Filing Date	:NA	2)WOITE, ARMIN
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Described herein is a method for controlling a smooth operation of an internal combustion engine (101). The method includes regulating the smooth operation of an adjusting internal combustion engine by adjusting cylinders individually for an injected fuel amount, where a speed sensor determines a high-resolution speed signal (TS) of the internal combustion engine. The method further includes carrying out the regulating for the smooth operation of the internal combustion engine for at least two work cycles (AS); and assigning each cylinder (1, 2, 3, 4, 5, 6) for each work cycle (AS) with a controller (Rl.l, R2.1 R3.2,..., ... R5.3, R6.3).



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

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MEMBRANE FILTRATION USING LOW ENERGY FEED SPACER

:B01D63/10,B01D61/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)CONWED PLASTICS LLC :61/690419 (32) Priority Date :26/06/2012 Address of Applicant :2810 Weeks Ave SE Minneapolis (33) Name of priority country Minnesota 55414 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/046101 (72) Name of Inventor: Filing Date :17/06/2013 1)KIDWELL Alexander James (87) International Publication No :WO 2014/004142 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

In at least one embodiment a membrane filtration element is provided. The element may include at least one feed spacer including a first set of parallel strands extending in a first direction and including a plurality of first strands having a first thickness and a plurality of second strands having a second thickness that is smaller than the first thickness. A second set of parallel strands may extend in a second direction that is transverse to the first direction. The second set of parallel strands may include a plurality of third strands having a third thickness and a plurality of fourth strands having a fourth thickness that is smaller than the third thickness. In one embodiment the first and second sets of strands include alternating thick and thin strands which reduce pressure drop in membrane filtration systems.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: UNDERWEAR TYPE WORN ARTICLE

(51) International classification :A61F13/49,A61F13/514 (31) Priority Document No :2012175438

(32) Priority Date :07/08/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/076171 Filing Date :10/10/2012

(87) International Publication No :WO 2014/024326

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

:A61F13/49,A61F13/514 (71)Name of Applicant :

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72)Name of Inventor: 1)ICHIKAWA Makoto

2)TAGAWA Nobuhiro

(57) Abstract:

Provided is an underwear type worn article of which at least the central portion of a crotch region has a desired flexibility and of which the front waist region side of the crotch region has a desired tensile strength. The front and back waist regions (11 12) and the portion that is at least at the front waist region (11) side of the crotch region (13) are a multilayer region (44) that results from laminating a base sheet (25) and a front waist sheet (26) and the central portion (13C) of the crotch region (13) is a single layer region (43) consisting of the base sheet (25). The multi layer region (44) has: a boundary (40); an inner edge (11d) of the front waist region (11); a joining region (60) at which a liquid absorbing structure (15) and a chassis (14) are joined; and corners (73) encircled by the concave curved side edges (19c) of the crotch region (13). The boundary (40) between the multi layer region (44) and the single layer region (43) traverses the joining region (60).

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

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : AUTOMATED SYSTEM AND METHOD FOR IMPLEMENTING UNIT AND COLLECTIVE LEVEL BENCHMARKING OF POWER PLANT OPERATIONS

<ul><li>(51) International classification</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>	:13/099,661 :03/05/2011	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor:
Filing Date  (87) International Publication No  (61) Patent of Addition to Application Number  Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA :NA :NA :NA	1)PANDEY, ACHALESH KUMAR 2)ASATI, MAHESH KUMAR 3)MANNAR, KAMAL 4)NALLAMOTU, DURGAPRASAD

#### (57) Abstract:

Systems and methods for implementing benchmarking analysis (168) for power plant operations comprise electronically accessing power plant operational data (166) within at least one type of operation within a power plant, electronically analyzing data from one or more power plant components within one or more different power plant units in one or more collections of multiple power plant units to identify cycles and key events on one or more of a component level (220), a unit level (230) and a collective level of multiple power plants (240), generating at least one scorecard summary (252) of calculated power plant operational characteristics on selected levels of operation comprising one or more of a component level, unit level and collective level of power plant units, and providing the at least one scorecard summary as electronic output to a user. Additional optional steps include using the data from the scorecard summary to detect outliers (262) and/or to cluster (264) selected components, units or fleets having similar operational characteristics.

No. of Pages: 62 No. of Claims: 20

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM FOR DETACHABLY COUPLING AN UNMANNED AERIAL VEHICLE WITHIN A LAUNCH TUBE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:07/06/2013 :WO 2014/035518 :NA :NA	(71)Name of Applicant:  1)AEROVIRONMENT INC.  Address of Applicant:181 West Huntington Drive Suite 202  Monrovia CA 91016 U.S.A.  (72)Name of Inventor:  1)ANDRYUKOVQ Oleksandr
Filing Date	:NA	

#### (57) Abstract:

An unmanned aerial vehicle (UAV) launch tube (100) that has at least one layer of prepeg substrate disposed about an aperture (106) to form a tube a sabot (110) disposed in an interior of said tube (100) said sabot (110) having a first clasp tab (126) and a clasp (124) detachably coupled to said first clasp tab and contacting an inner circumferential wall (102) of said tube (100) so that said clasp (124) is rotationally constrained by the inner circumferential wall (102) and said first clasp tab (126).

No. of Pages: 24 No. of Claims: 34

(21) Application No.11148/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: SELF LIMITING INJECTION ASSEMBLY FOR SAMPLE INTRODUCTION IN HPLC

(51) International :G01N30/16,B01F15/04,G01N30/32 classification

(31) Priority Document No :1213537.2 (32) Priority Date :30/07/2012

(33) Name of priority country: U.K.

(86) International Application: PCT/GB2013/052035

:30/07/2013

Filing Date

(87) International Publication :WO 2014/020330

(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)IMPERIAL INNOVATIONS LTD

Address of Applicant :Imperial College London 52 Princes Gate South Kensington Greater London SW7 2PG U.K.

(72) Name of Inventor: 1)CASEY Duncan Robert

2)SALEHI REYHANI Ali

3)GAUTHE Beatrice Lucile Lea Eva

#### (57) Abstract:

A liquid chromatography device comprises one or more liquid reservoirs for a liquid medium a sample reservoir for a sample to be analysed and a chromatography column in fluid communication with the liquid reservoir and the sample reservoir. The device comprises a monitoring mechanism for monitoring the number of times a sample is released from the sample reservoir into the chromatography column.

No. of Pages: 17 No. of Claims: 14

(22) Date of filing of Application :26/12/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: METHOD FOR CHEMICAL FOAMING IN THE PRESENCE OF REINFORCING FILLERS

#### (57) Abstract:

The present invention relates to a method for preparing a foamed item including the following steps: a) heating a composition including or consisting of at least one polyamide PA at least one compound U including at least one urethane function particularly a polyurethane PU at least one reinforcing filler the content of which is no lower than 10 wt% of the total weight of the composition and a temperature T such that: the compound U directly or indirectly generates CO the polyamide is melted and in particular such that the composition is injectable; b) injecting or extruding said composition the injection particularly being injection molding; and c) recovering the foamed item and an expandable granule including or consisting of at least one polyamide at least one compound U particularly a polyurethane PU and at least one reinforcing filler the content of reinforcing filler being no lower than 10 wt% of the total weight of the composition. The invention also relates to the use of such a composition of such a granule or a foam or foamed item.

No. of Pages: 28 No. of Claims: 21

(21) Application No.1115/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: VELOCITY SURVEY WITH POWDERIZER AND AGENT FLOW INDICATOR

(51) T	G01N01/524	(71)NI CA 19
(51) International classification	:G01N21/534	(71)Name of Applicant:
(31) Priority Document No	:61/490193	1)KIDDE TECHNOLOGIES, INC.
(32) Priority Date	:26/05/2011	Address of Applicant :4200 AIRPORT DRIVE, NW,
(33) Name of priority country	:U.S.A.	WILSON, NORTH CAROLINA 27896, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DHARMENDR LEN SEEBALUCK
(87) International Publication No	:NA	2)ROBERT GLASER
(61) Patent of Addition to Application Number	:NA	3)MARK P. FAZZIO
Filing Date	:NA	4)LOUIS W. RANCE
(62) Divisional to Application Number	:NA	5)BRIAN POWELL
Filing Date	:NA	

## (57) Abstract:

Disclosed is a measurement system for a dry powder agent including a nozzle to direct the dry powder agent, and an indicator operable to recognize a dry powder agent discharge event. In an exemplary method, a velocity of the powder exiting the nozzle may be computed, and an agent concentration calibration curve may be selected.

No. of Pages: 34 No. of Claims: 17

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

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

(51) International classification	:G06K9/32	(71)Name of Applicant :
(31) Priority Document No	:2011- 128824	1)SONY CORPORATION Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:09/06/2011	TOKYO, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOSHIKUNI NOMURA
Filing Date	:NA	2)MASAYUKI TACHI
(87) International Publication 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 image processing apparatus including an infinite impulse response (IIR) mean value calculation section for calculating a mean value of signal values of reference pixels around a correction target pixel according to an IIR filter application process, an IIR variance value calculation section for calculating a variance value of the signal values of the reference pixels around the correction target pixel according to the IIR filter application process, an edge-preserving smoothing processing section for receiving the mean and variance values of the reference pixels and executing an edge-preserving smoothing process to which the mean and variance values are applied, and an IIR filter coefficient calculation section for updating an IIR filter coefficient to be applied to the IIR mean value calculation section and the IIR variance value calculation section according to a signal value of a pixel constituting an image.

No. of Pages: 61 No. of Claims: 14

(21) Application No.1675/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : INFORMATION PROCESSING APPARATUS, 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 Number Filing Date</li> </ul>	:2011- 127389 :07/06/2011 :Japan :NA :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION  Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN Japan (72)Name of Inventor:  1)TAKURO NODA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus includes a sensor configured to detect an object in a space and a display control unit configured to control a display unit to display a reference object such that the reference object appears to be located in the space.

No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ADMINISTRATION METHODS AND PACKAGINGS FOR ORAL MEDICATIONS

(51) International classification	:A61J1/03	(71)Name of Applicant:
(31) Priority Document No	:13/153,900	1)OMNICARE, INC.
(32) Priority Date	:06/06/2011	Address of Applicant :100 EAST RIVERCENTER
(33) Name of priority country	:U.S.A.	BOULEVARD, 1600 RIVERCENTER II, COVINGTON KY
(86) International Application No	:NA	41011, UNITED STATES OF AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)BRADLEY CARSON
(61) Patent of Addition to Application Number	:NA	2)MICHAEL J.SZESKI
Filing Date	:NA	3)MITCHELL MOSBACHER
(62) Divisional to Application Number	:NA	4)ROBERT E. NAPIERALA II
Filing Date	:NA	

#### (57) Abstract:

Packagings for holding oral medications and methods for administering oral medications from a packaging. The packaging (10) includes a cover (30) and a body (12) with compartments (14) each configured to hold at least one of the oral medications (25). The compartments (14) have a circular arrangement on the body (12). The method may include at least partially detaching the cover (30) from the body (12) to access a separate opening (58) to each of the compartments (14). In response to removing the cover (30), all of the oral medications (25) may be removed from the compartments (14) to empty the packaging.

No. of Pages: 41 No. of Claims: 38

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHODS FOR ENGINEERING ALLOGENEIC AND IMMUNOSUPPRESSIVE RESISTANT T CELL FOR IMMUNOTHERAPY

(51) International classification	:C12N5/0783	(71)Name of Applicant :
(31) Priority Document No	:61/651933	1)CELLECTIS
(32) Priority Date	:25/05/2012	Address of Applicant :8 rue de la Croix Jarry F 75013 Paris
(33) Name of priority country	:U.S.A.	France
(86) International Application No	:PCT/US2013/040755	(72)Name of Inventor:
Filing Date	:13/05/2013	1)GALETTO Roman
(87) International Publication No	:WO 2013/176915	2)GOUBLE Agnes
(61) Patent of Addition to Application	:NA	3)GROSSE Stephanie
Number	:NA	4)MANNIOUI Cecile
Filing Date	.IVA	5)POIROT Laurent
(62) Divisional to Application Number	:NA	6)SCHARENBERG Andrew
Filing Date	:NA	7)SMITH Julianne

#### (57) Abstract:

Methods for developing engineered T cells for immunotherapy that are both non alloreactive and resistant to immunosuppressive drugs. The present invention relates to methods for modifying T cells by inactivating both genes encoding target for an immunosuppressive agent and T cell receptor in particular genes encoding CD52 and TCR. This method involves the use of specific rare cutting endonucleases in particular TALE nucleases (TAL effector endonuclease) and polynucleotides encoding such polypeptides to precisely target a selection of key genes in T cells which are available from donors or from culture of primary cells. The invention opens the way to standard and affordable adoptive immunotherapy strategies for treating cancer and viral infections.

No. of Pages: 236 No. of Claims: 48

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR TREATING WASTEWATER CONTAINING SUSPENDED ORGANIC SUBSTANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C02F3/34,C02F11/04 :2012184808 :24/08/2012 :Japan :PCT/JP2013/071906 :14/08/2013 :WO 2014/030583 :NA :NA	(71)Name of Applicant:  1)KUBOTA CORPORATION  Address of Applicant: 1 2 47 Shikitsuhigashi Naniwa ku Osaka shi Osaka 5568601 Japan (72)Name of Inventor:  1)MATSUZAKI Tomoko
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for efficiently treating a wastewater which contains suspended organic substances in a high concentration the system being equipped with: a suspended organic substance separator (10) which separates the suspended organic substances from the water to be treated; an anaerobic sludge digester (20) which anaerobically digests the suspended organic substances separated by the suspended organic substance separator (10); a device (30) for conversion into nitrous acid the device (30) oxidizing the ammonia contained in the digested liquid from the anaerobic sludge digester (20) into nitrous acid under aerobic conditions; an autotrophic denitrification device (40) whereby the ammonia contained in the treated liquid from the device (30) for conversion into nitrous acid is oxidized into nitrogen gas under anaerobic conditions with an autotrophic denitrifying microorganism; and a first transfer route (R1) through which the separated liquid from which the suspended organic substances have been removed in the suspended organic substance separator (10) is supplied to the device (30) for conversion into nitrous acid.

No. of Pages: 26 No. of Claims: 7

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

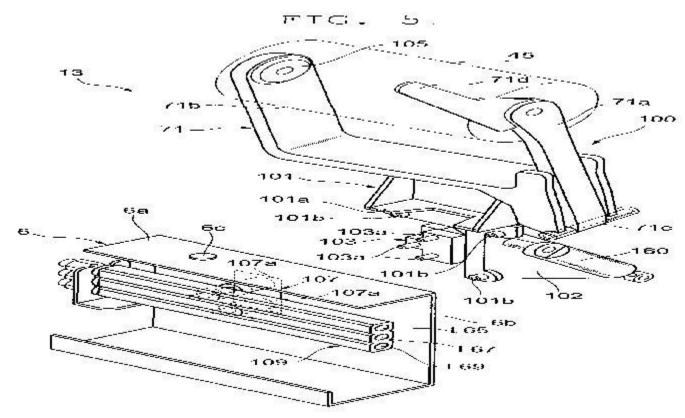
(43) Publication Date: 25/09/2015

## (54) Title of the invention: YARN WINDING UNIT AND 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>	:2011- 202122	(71)Name of Applicant:  1)HURATA MACHINERY, LTD.  Address of Applicant: 3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN Japan (72)Name of Inventor:  1)YOKOTA ITARU 2)MATSUI TOSHIHIRO
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#### (57) Abstract:

A spinning machine (1) is a yarn winding unit including a frame (6), and a cradle device (100) including a cradle arm (71) adapted to rotatably hold a package (45) around which a spun yarn (10) is wound, an air cylinder (60, 160) adapted to drive the cradle arm (71), and an electromagnetic valve (63a, 64a, 68a) of a male connector section (103) adapted to control the air cylinder (60, 160), the cradle device (100) being a module provided detachably to the frame.



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

(21) Application No.11043/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: VEHICLE AND VEHICLE CONTROL METHOD

(51) International classification	:B60W10/08,B60L11/18,B60W10/06	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Priority Document No	:NA	Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571
(32) Priority Date	:NA	Japan
(33) Name of priority country	:NA	(72)Name of Inventor : 1)KINOMURA Shigeki
(86) International Application No Filing Date	:PCT/JP2012/072176 :31/08/2012	
(87) International Publication No	:WO 2014/033915	
(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:

A vehicle (100) is provided with: an engine (160); an electric motor (130 135); an electricity storage device (110); and a control device (300). The electric motor (130 135) performs electricity generation using driving power from the engine (160). The control device (300) controls the supply of at least one of generated electric power from the electric motor (130 135) and electric power stored in the electricity storage device (110) to the outside of the vehicle. The control device (300) selects permission or prohibition of electricity generation using driving power from the engine (160) on the basis of a user setting.

No. of Pages: 46 No. of Claims: 22

(21) Application No.11044/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FENOFIBRATE 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :PCT/US2012/043971 :25/06/2012 :WO 2014/003706 :NA :NA	(71)Name of Applicant: 1)MYLAN INC. Address of Applicant: 781 Chestnut Ridge Road Morgantown West Virginia 26505 U.S.A. (72)Name of Inventor: 1)CHATTARAJ Sarat C. 2)REDELMAN Glenn Allen 3)SHAW Andrew Alan
Filing Date	:NA	

#### (57) Abstract:

Various fenofibrate compositions include a plurality of first granules having a high bioavailability in vivo and a plurality of second granules having a low bioavailability in vivo. The first granules may comprise fenofibrate from 0.3% to 10% by weight of the first granules of a first surfactant and a first water soluble or water dispersible cellulose derivative and the second granules may comprise fenofibrate from 0% to 0.25% by weight of the second granules of a second surfactant and a second water soluble or water dispersible cellulose derivative.

No. of Pages: 55 No. of Claims: 22

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR DETERMINING PARKING TRAJECTORY

#### (57) Abstract:

A method for determining a parking trajectory (36a, 36b, 37) of a vehicle (10) in a cross-parking space (14), the method comprises detecting data of surroundings of the vehicle (10) and detecting at least one object (12, 16,18) limiting at least one longitudinal side of the cross parking space (14), determining a target parking position for the vehicle (10) in the cross parking space (14) involving at least one defined safety distance (30) for opening a driver door (28) of the vehicle (10), determining a parking trajectory (36a, 36b, 37) for achieving the determined target parking position, and outputting the parking trajectory (36a, 36b, 37) to the driver or to a driver assistance system for implementing the method.

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

(21) Application No.1715/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

(54) Title of the invention: FASTENERS

(51) International classification	:B29C45/38	(71)Name of Applicant :
(31) Priority Document No	:2011- 126237	1)DAIWA KASEI KOGYO KABUSHIKI KAISHA Address of Applicant :1, AZA KAMIHIRACHI, HOBO-CHO,
(32) Priority Date	12020,	OKAZAKI-SHI, AICHI-KEN (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KATSUYA HIRAKAWA
Filing Date	:NA	
(87) International Publication 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 fastener may include an anchor that Is configured to be inserted into an attaching hole formed in a panel The anchor includes a pillar, at least one engagement strip positioned in at least one side of the pillar, and a guide block formed in a distal end of the pillar and having a planar shape corresponding to a shape of the attaching hole. The at least one engagement strip is capable of passing through the attaching hole while being flexed inwardly and engaging a periphery of the attaching hole when the anchor is inserted into the attaching hole. The guide block is configured to pass through the attaching hole only when an axis of the anchor is positioned substantially perpendicular to a surface of the panel.

No. of Pages: 27 No. of Claims: 5

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: DOUBLE-BREAK CIRCUIT BREAKING DEVICE

:H01H1/32	(71)Name of Applicant:
:10 2011	1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2 80333,
	MUNICH, GERMANY Germany
:Germany	(72)Name of Inventor:
:NA	1)ECKERT, GUNTHER
:NA	2)MICHAEL, I NEUMEIER
: NA	3)CHRISTOPH, WEBER
:NA	
:NA	
:NA	
:NA	
	:10 2011 078 524.8 :01/07/2011 :Germany :NA :NA :NA :NA

#### (57) Abstract:

The inventive double-break circuit breaking device (1), which can in particular be constructed as a line circuit breaker or as a power circuit breaker, has a first switch contact (10) together with a second switch contact (20) which is arranged to be spatially beside the first switch contact (10) and is connected in series electrically with the first switch contact (10) where, when in operation, the first switch contact (10) and the second switch contact (20) have currents flowing through them which are in the same direction. Furthermore, the circuit breaking device (1) has a first arc quenching chamber (13) for extinguishing a first arc (14) which arises when the first switch contact (10) is opened, together with a second arc quenching chamber (23) for extinguishing a second arc (24) which arises when the second switch contact (20) is opened. In addition, the circuit breaking device (1) has a shared blow loop (30), which is arranged alongside the first switch contact (10) and the second switch contact (20), and is in an electrical circuit with them which is such that it does not have a current through it until the first arc (14) and/or the second arc (24) has commutated, in order to drive the arcs (14, 24) into their associated arc quenching chambers (13, 23). Hence the electromagnetic field produced by the faster of the two arcs (14, 24) has a positive effect on the other, slower arc (24, 14), with the effect that the slower arc (24, 14) is pushed towards its associated arc quenching chamber (23, 13) and does not remain at the site of the contact. By this means, a more equal movement of the two arcs (14, 24) is achieved, which significantly improves the extinction performance of the circuit breaking device (1).

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: FLUID DIVERSION MECHANISM FOR BODILY FLUID SAMPLING

(51) International classification :A61B5/15,B01D43/00,B01L3/14 (71)Name of Applicant :

(31) Priority Document No :61/652887 (32) Priority Date :30/05/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/043289

No :30/05/2013 Filing Date

(87) International Publication :WO 2013/181352

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MAGNOLIA MEDICAL TECHNOLOGIES INC. Address of Applicant :815 First Avenue Suite 140 Seattle

Washington 98104 U.S.A.

(72) Name of Inventor: 1)BULLINGTON Gregory J.

2)PATTON Richard G. 3)MIAZGA Jay M.

4)GAW Shan E.

## (57) Abstract:

An apparatus includes a housing a fluid reservoir a flow control mechanism and an actuator. The housing defines an inner volume and has an inlet port that can be fluidically coupled to a patient and an outlet port. The fluid reservoir is disposed in the inner volume to receive and isolate a first volume of a bodily fluid. The flow control mechanism is rotatable in the housing from a first configuration in which a first lumen places the inlet port is in fluid communication with the fluid reservoir and a second configuration in which a second lumen places the inlet port in fluid communication with the outlet port. The actuator is configured to create a negative pressure in the fluid reservoir and is configured to rotate the flow control mechanism from the first configuration to the second configuration after the first volume of bodily fluid is received in the fluid reservoir.

No. of Pages: 109 No. of Claims: 39

(21) Application No.11069/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR MACHINING MATERIALS BY MILLING AND SUBSEQUENT BRUSHING

(51) International classification	:B23P9/00,B24B39/00,C21D7/04	(71)Name of Applicant:
(31) Priority Document No	:EP12178175	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:27/07/2012	Address of Applicant: Wittelsbacherplatz 2 80333 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:EPO	Germany
(86) International Application	:PCT/EP2013/064902	(72)Name of Inventor:
No	:15/07/2013	1)DAVID Walter
Filing Date	:13/07/2013	2)KNOCHE Wolfram
(87) International Publication No	:WO 2014/016154	
(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 method for machining a material in particular steel wherein the material is milled at such a high cutting speed that residual tensile stresses close the surface that exceed a specified value can occur and the residual tensile stresses can be lowered below the specified value by subsequent brushing. The invention further relates to a device for performing said method.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: LIGAMENT RECONSTRUCTION FIXATION 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> </ul>	:A61F2/08 :61/664867 :27/06/2012 :U.S.A. :PCT/US2013/047784 :26/06/2013 :WO 2014/004614	(71)Name of Applicant: 1)SMITH & NEPHEW INC. Address of Applicant:1450 Brooks Road Memphis Tennessee 38116 U.S.A. 2)SANTANGELO, Stephen 3)WYMAN, Jeffrey 4)SHINO, Konsei (72)Name of Inventor:
(87) International Publication No	:WO 2014/004614 :NA :NA :NA :NA	4)SHINO, Konsei

### (57) Abstract:

The present disclosure relates to an assembly for fixing a ligament in bone. The assembly includes a suspension member (210) and an implant (100) having a mechanism for fixedly receiving the suspension member and at least partially suspending the suspension member and the received bone graft within the implant allowing for bony in growth. A method of fixing a ligament in bone is also disclosed.

No. of Pages: 17 No. of Claims: 20

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HYBRID ELECTRIC GENERATOR SET

(71) Y	:H04J 3/02,	(71)Name of Applicant :
(51) International classification	H04B 7/00	1)BAE SYSTEMS CONTROLS INC
(31) Priority Document No	:13/206,083	Address of Applicant :600 MAIN STREET, JOHNSON
(32) Priority Date	:09/08/2011	CITY, NEW YORK, 13790-1888, U.S.A. U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)THOMAS APALENEK
Filing Date	:NA	2)GORDON LU
(87) International Publication No	: NA	3)STEPHEN PASTERSKI
(61) Patent of Addition to Application Number	:NA	4)THOMAS QUIGLEY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A portable generator system provides power to a load source including an engine and a generator. The engine drives the generator to provide a generator alternating current (AC) electrical power output. An energy storage system (ESS) provides an ESS direct current (DC) electrical power output. A first inverter is connected to the generator for receiving the generator AC electrical power output and for providing a DC power output. A second inverter is connected to the first inverter and the ESS for receiving the DC power output from the first inverter and the ESS DC electrical power output for providing an AC power output. A first power mode includes the generator maintaining a first generator power output level corresponding to a specified power requirement of a load source, and the ESS providing an additional first ESS power output level for satisfying the specified power requirement of the load source.

No. of Pages: 20 No. of Claims: 17

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HOLDING ARRANGEMENT FOR HOLDING PRESSURE CYLINDER

(51) International classification	:A47J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL ENGINEERING INDUSTRIES LTD.
(32) Priority Date	:NA	Address of Applicant :KHATIPURA ROAD, JAIPUR-
(33) Name of priority country	:NA	302001, RAJASTHAN, INDIA Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DUBEY VED PRAKASH
(87) International Publication 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 for holding an article includes a mounting bracket, a support bracket, a guide element, at least one elongate holding element and a spring. The mounting bracket includes a first member and a second member orthogonally extending from  $\cdot$  the first member. The support bracket is provided with at least one stepped aperture configured thereon and is mounted on either of the first and second member. The guide element with at least one aperture formed thereon is mounted on the support bracket, such that the aperture on the guide element is aligned with the stepped aperture. The at least one elongate holding element includes a head portion and a stem portion having a radially extending lip depends from the head portion. The stem portion passes through the aligned apertures of the guide element and the support bracket and moves between a closed configuration and an open configuration.

No. of Pages: 27 No. of Claims: 4

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR PRODUCING OLEFINS BY MEANS OF THERMAL STEAM CRACKING IN CRACKING FURNACES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C10G9/36 :12005782.3 :09/08/2012 :EPO :PCT/EP2013/002347 :06/08/2013 :WO 2014/023417 :NA :NA	(71)Name of Applicant:  1)LINDE AKTIENGESELLSCHAFT Address of Applicant: Klosterhofstr. 1 80331 M <sup>1</sup> / <sub>4</sub> nchen Germany (72)Name of Inventor: 1)SCHMIDT Gunther 2)FRITZ Helmut 3)WALTER Stefanie
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for converting hydrocarbon feedstocks by means of thermal steam cracking to form at least one olefinic product flow which contains at least ethylene and propylene wherein a first hydrocarbon feedstock is at least partially converted in at least a first cracking furnace (1) and a second hydrocarbon feedstock is at least partially converted in at least a second cracking furnace (2). According to the invention the second hydrocarbon feedstock is converted in the second cracking furnace (2) under cracking conditions which lead to a propylene to ethylene ratio of 0.7 to 1.6 kg/kg and the first hydrocarbon feedstock is converted in the first cracking furnace (1) under cracking conditions which lead to a propylene to ethylene ratio of 0.25 to 0.85 kg/kg at the cracking furnace outlet the value for the propylene to ethylene ratio for the second hydrocarbon feedstock being above the value for the propylene to ethylene ratio for the first hydrocarbon feedstock.

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: REMOTE MONITORING AND CONTROL SYSTEM, APPROACH, AND PROGRAM

(51) International classification	:H04W 48/20	(71)Name of Applicant: 1)HITACHI, LTD.
(31) Priority Document No	:2011- 091078	Address of Applicant :6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO JAPAN Japan
(32) Priority Date	:15/04/2011	*
(33) Name of priority country	:Japan	1)KITAGAWA KATSUHIDE
(86) International Application No	:NA	2)SUZUKI JUNICHI
Filing Date	:NA	3)MARUYAMA YOSHIO
(87) International Publication No	:NA	4)FURUDATE KAZUO
(61) Patent of Addition to Application Number	:NA	5)SUZUKI HIROSHI
Filing Date	:NA	6)ISHII MASAFUMI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/ <b></b> \		

## (57) Abstract:

In a screen displayed on site in a data format of image data, if a portion of the screen is changed, from among the image data of the entire screen, only an image data subjected to the change is converted to a vector graphics and is transmitted to a remote site via a network. At the remote site, the transmitted vector graphics is reconverted to the image data and is displayed. Further, information necessary for searching an image data is transmitted in association with a vector graphics. This allows a search to be made only from a data which actually requires to be displayed at the remote site.

No. of Pages: 49 No. of Claims: 12

(21) Application No.11051/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014

(43) Publication Date: 25/09/2015

#### (54) Title of the invention: POWER CONVERTER

(51	1) Inter	national	classification	$\cdot$ H02M1/00	F28D15/00	0.000007/48
10	. /	панопаі	Classification	.11041/11/00	.1 400 13/02	2.11UZIV1//TO

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/JP2012/066744

No Filing Date

:29/06/2012

(87) International Publication

:WO 2014/002263

(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)TOSHIBA MITSUBISHI ELECTRIC INDUSTRIAL

SYSTEMS CORPORATION

Address of Applicant :3 1 1 Kyobashi Chuo ku Tokyo

1040031 Japan

(72) Name of Inventor:

1)FUJII Yosuke

2)TAKAHASHI Nobuhiro

### (57) Abstract:

A power converter (1) is provided with: an electrical circuit (3) including a heat generating source (31); a heat pipe cooler (9) in which refrigerant is sealed the heat pipe cooler (9) cooling the heat generating source (31); a frozen determination means (25) for determining whether the refrigerant is frozen; and an output limiting means (22) for limiting output when the frozen determination means (25) determines that the refrigerant is frozen.

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

(21) Application No.11053/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR THE ARTIFICIAL AGEYNG OF FABRICS AND READY MADE GARMENTS

(51) International :C11D3/386,D06B1/02,D06B11/00 classification

(31) Priority Document No :FI2012A000116

(32) Priority Date :11/06/2012

(33) Name of priority country: Italy

(86) International Application :PCT/IB2013/054741

No :10/06/2013

Filing Date (87) International Publication :WO 2013/186687

(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)SOKO CHIMICA SRL

Address of Applicant: Via A. Scarlatti 5 7/R I 50144 Firenze

Italy

(72) Name of Inventor:

1) URBINI Matteo Alfonso

(57) Abstract:

A method for the artificial ageing of fabrics by applying an enzyme compound without using an aqueous bath.

No. of Pages: 16 No. of Claims: 8

(21) Application No.11054/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/12/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: AQUEOUS RESINOUS DISPERSIONS THAT INCLUDE A ZINC (II) AMIDINE COMPLEX AND METHODS FOR THE MANUFACTURE THEREOF

(51) International :C08G18/50,C08G18/58,C08G18/76

classification

(31) Priority Document No :13/531935 (32) Priority Date :25/06/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/046976

Application No :21/06/2013 Filing Date

(87) International Publication :WO 2014/004273

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

(62) Divisional to :NA **Application Number** :NA

Filing Date (57) Abstract:

(71) Name of Applicant:

1)PPG INDUSTRIES OHIO INC.

Address of Applicant :3800 West 143rd Street Cleveland Ohio

44111 U.S.A.

(72) Name of Inventor:

1)ESWARAKRISHNAN Venkatachalam

2)GRAY Andrea 3)LOVE Jonathan A. 4)MOORE Kelly 5)SANDALA Michael

Disclosed herein are stable aqueous resinous dispersions and methods for forming such dispersions that include a zinc (II) amidine complex.

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

(21) Application No.2200/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : IMPROVED PROCESS FOR PREPARING 5-OXO-4-(PROPAN-2-YL)TETRAHYDROFURAN-2-CARBOXYLIC ACID OR A STEREOCHEMICALLY ISOMERIC FORM THEREOF

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ACTAVIS GROUP PTC EHF
(32) Priority Date	:NA	Address of Applicant :REYKJAVIKURVEGI 76-78 220,
(33) Name of priority country	:NA	HAFNARFJOROUR ICELAND Ice Land
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KHUNT, MAYUR DEVJIBHAI
(87) International Publication No	: NA	2)SUBBARAO, ATHUKURI VENKATA
(61) Patent of Addition to Application Number	:NA	3)VARMA, SHRIKANT MURLIDHAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein is an improved, commercially viable and industrially advantageous process for the preparation of a substantially pure aliskiren intermediate, 5-oxo-4-(propan-2-yl)-tetrahydrofuran-2-carboxylic acid or a stereochemically isomeric form thereof. The intermediate is useful for preparing aliskiren, or a pharmaceutically acceptable salt thereof, in high yield and purity. In the preparation of Aliskiren, 5-oxo-4-(propan-2-yl)-tetrahydrofuran-2-carboxylic acid (also referred to as the y-butyrolactone acid) of formula II and its (2S,4S)-enantiomer of formula IIa: are key intermediates.

No. of Pages: 16 No. of Claims: 1

(21) Application No.11005/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

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

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G05B23/02 :2013052467 :14/03/2013 :Japan	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan
<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>	1	(72)Name of Inventor : 1)FUJIMORI Toshiyuki 2)SUGIMURA Shunsuke

#### (57) Abstract:

This work machine (1) is provided with a controller (20) that includes: a first memory unit (20MA) for storing work machine information (MI) the first memory unit (20MA) being enabled for rewriting the stored work machine information (MI); and a processor (20C) for collecting the work machine information (MI) and allowing at least one type of work machine information (MI) to be stored in the first memory unit (20MA) when trigger information is generated to start storage of the work machine information (MI) in the first memory unit (20MA). The controller (20) can externally vary the pre trigger data number of the work machine information (MI) collected by the processor (20C) prior to the trigger information and/or the post trigger data number of the work machine information (MI) collected by the processor (20C) after the trigger information and/or the time interval for collecting the work machine information (MI).

No. of Pages: 67 No. of Claims: 14

(21) Application No.11007/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: RACECADOTRIL LIQUID COMPOSITIONS

(51) International :A61K31/223,A61K9/08,A61K47/40 classification

(31) Priority Document No :61/665458 (32) Priority Date :28/06/2012

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

country

(86) International :PCT/US2013/048573 Application No

:28/06/2013 Filing Date

(87) International

:WO 2014/005021 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)MCNEIL PPC INC.

Address of Applicant: 199 Grandview Road Skillman New

Jersey 08558 U.S.A. (72)Name of Inventor: 1)LEE Der Yang

(57) Abstract:

A liquid composition comprising racecadotril and cyclodextrin.

No. of Pages: 18 No. of Claims: 20

(21) Application No.11009/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ULTRAVIOLET RADIATION ABSORBING POLYMERS

(51) International :A61Q17/04,A61K8/85,C08G63/16

classification ...AOTQ17/04,AOTR8/83, (31) Priority Document No :61/665430

(31) Priority Document No :61/665430 (32) Priority Date :28/06/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/046348

No :18/06/2013

(87) International Publication :WO 2014/004176

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

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)JOHNSON & JOHNSON CONSUMER COMPANIES

INC.

Address of Applicant: 199 Grandview Road Skillman New

Jersey 08558 U.S.A. (72)Name of Inventor:

1)LEVINS Christopher G.

2)NATHAN Aruna

3)DALY Susan

## (57) Abstract:

The present invention includes an ultraviolet radiation absorbing polymer composition that includes polymers containing a UV chromophore as described in the specification and as claimed the reaction product of a monoglyceride and a poly acid monomer containing a UV chromophore.

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

(21) Application No.1101/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DATA SLIP RING SYSTEM AND CT EQUIPMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G02b6/3604 :201110109855.4 :29/04/2011 :China	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY Germany
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	(72)Name of Inventor: 1)JIAN WEI DONG 2)HONG DE MU
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		2)HONG DE MU

#### (57) Abstract:

Disclosed in the present invention is a data slip ring system for use in the rack of CT equipment, said rack comprising a rotary part and a stationary part, with a data management system provided on the rotary part and an image reconstruction system provided on the stationary part, wherein said data slip ring system comprises a transmission antenna provided on said rotary part and a plurality of receivers provided on said stationary part; said transmission antenna forms an arc with a central angle smaller than 360 degrees, for transmitting data signals from the data management system to said receivers by way of electromagnetic coupling; and said receivers send the data signals to said image reconstruction system via a transmission line. Also disclosed in the present invention is CT equipment. By way of the above technical solution, the present invention reduces the costs of the data slip ring system and also reduces electromagnetic interference therein.

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

(21) Application No.2201/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

(54) Title of the invention: E-3 IN HALER

B (71)Name of Applicant:
1)PRADEEP PANDEY
Address of Applicant :SAVITRI NIVAS B-124, SECTOR-A,
SAINIK VIHAR, GORKAHPUR, U.P273008 Uttar Pradesh
India
(72)Name of Inventor:
1)PRADEEP PANDEY

#### (57) Abstract:

A complete asthmatic inhaler with two MDI medicines in a single body, which is easier to use because of the button system. Medicine will be replaced with new one. No need to throw whole body. It is slimmer and easy to carry. It can be fit in pocket without any hassle. Its used vibrator to well shake the two different me dice.

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

(21) Application No.2203/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: INVERTER CIRCUITS FOR PHOTOVOLTAIC 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</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)DANFOSS POWER ELECTRONICS A/S Address of Applicant: ULSNAES 1, DK-6300 GRAASTEN, DENMARK Denmark (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	1)BORUP, UFFE 2)BALI, SUNIL KUMAR
Filing Date	:NA	

#### (57) Abstract:

An inverter circuit receives DC power supplies from first and second photovoltaic arrays connected in series and converts the DC power supplies to an alternating current power supply suitable for provision to an electricity grid. In the event that a ground fault is detected, the inverter circuit is isolated from the AC grid and a current drawn from the photovoltaic arrays by a booster circuit of the inverter is increased in order to reduce the voltage across the photovoltaic arrays. Figure for publication with the Abstract: Figure 1

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

(21) Application No.2070/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: DUAL-AGENT SYRINGE

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Fastfix-it Enterprise Co. Ltd.
(32) Priority Date	:NA	Address of Applicant :No. 55 Lane 401 Dashe Rd. Dashe
(33) Name of priority country	:NA	Dist. Kaohsiung City 815 Taiwan R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ivy LIN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The syringe contains an outer barrel a compressible inner barrel threading through a support ring inside the outer barrel and a plunger sealing the back of the outer barrel. The outer barrel has a hollow cylindrical body with an outer orifice at a front end. Inside the outer orifice a positioning ring is provided whose circumference is configured with parallel ribs so that a number of channels are formed. The inner barrel has a bellows structure capable of being compressed and stretched along the axial direction. A tubular inner orifice is configured at a front end of the bellows structure. The plunger has a cylindrical shape. On a front side of the plunger there is an axial chamber in the center surrounded by a push surface. Along the circumference of the plunger there is at least a circling rib. The syringe could be applied to an ordinary adhesive gun.

No. of Pages: 12 No. of Claims: 2

(21) Application No.2206/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A METHOD OF MAINTAING A UNIFORM WITHIN A FILTER 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 Filed on</li> </ul>	:B01D35/143 :11/402,438 :12/04/2006 :U.S.A. :NA :NA :NA :NA :NA :NA :202/03/2007	(71)Name of Applicant:  1)MILLIPORE CORPORATION Address of Applicant: 290 CONCORD ROAD, BILLERICA, MASSACHUSETTS 01821, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)ANTHONY DILEO 2)JOHN DANA HUBBARD
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#### (57) Abstract:

A method of maintaining a uniform flow within a filter housing, said filter housing comprising a plurality of tangential flow filtration (TFF) devices having a plurality of modules and channels therebetween, said method comprising: affixing a plurality of sensors, each in communication with a transmitter, to a plurality of locations within said filter housing; monitoring an operating parameter at each of said plurality of locations within said filter housing using said sensors; comparing said monitored parameters to one another; and regulating the flow within individual channels in said filter housing in response to said comparison.

No. of Pages: 22 No. of Claims: 8

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: RAILWAY SIGNALLING SYSTEM AND ON-BOARD SIGNALLING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	B61L27/00 :2011- 160484 :22/07/2011 :Japan :NA :NA	(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)KATSUTA KEIICHI 2)SUGITA YOICHI 3)MAEKAWA KEIJI 4)SHIBATA NAOKI
<u>e</u>		
(61) Patent of Addition to Application Number	:NA	5)IMAMOTO KENJI
Filing Date (62) Divisional to Application Number	:NA :NA	6)SUZUKI MOTONARI
Filing Date	:NA	

#### (57) Abstract:

In a railway signalling system which transmits a control order to an on-board signalling system by a trackside signalling system, the on-board signalling system being mounted on a train running on a line and the control order being compliant with a signalling system of the line, the present invention allows the train to run through into lines with different signalling systems using a single on-board signalling system. When the train enters a line with a different signalling system from a current line, the on-board signalling system installs a train control application program compliant with the signalling system of the entering line. Then, the on-board signalling system executes the train control application program, allowing the train to be controlled on the entering line according to a control order created by the trackside signalling system of the entering line.

No. of Pages: 37 No. of Claims: 14

(21) Application No.2208/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NONAQUEOUS ELECTROLYTE BATTERY AND BATTERY PACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01M4/485 :2011- 209232 :26/09/2011 :Japan :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1-1, SHIBAURA 1-CHOME,  MINATO-KU, TOKYO 105-8001, JAPAN Japan  (72)Name of Inventor:  1)KISHI TAKASHI  2)TAKAMI NORIO  3)IWASAKI TAKUYA
(61) Patent of Addition to Application Number	:NA	3)IWASAKI TAKUYA
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

According to one embodiment, a nonaqueous electrolyte battery includes a nonaqueous electrolyte, a positive electrode, a negative electrode and a separator. The nonaqueous electrolyte includes an asymmetric sulfone-based compound and a symmetric sulfone-based compound. The positive electrode includes a composite oxide represented by Li1-xMn1. 5-yNio.5-zMy+zO4 (0<x<l, 0<y+z<0.15, and M is at least one kind of element selected from the group consisting of Mg, Al, Ti, Fe, Co, Ni, Cu, Zn, Ga, Nb, Sn, Zr and Ta). The negative electrode includes a Ti-containing oxide which is capable of absorbing and releasing lithium. The separator includes a nonwoven fabric.

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

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: BIODEGRADABLE DRUG DELIVERY FOR HYDROPHOBIC COMPOSITIONS

(51) International (71) Name of Applicant: :A61K47/34,A61K31/445,A61K31/565 classification 1)MEDINCELL (31) Priority Document Address of Applicant: 1 avenue Charles Cros F 34830 Jacou :61/665192 France :27/06/2012 (72) Name of Inventor: (32) Priority Date (33) Name of priority 1) GAUDRIAULT Georges :U.S.A. country 2)ROBERGE Christophe (86) International :PCT/IB2013/001547 Application No :27/06/2013 Filing Date (87) International :WO 2014/001904 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 biodegradable drug delivery compositions comprising a triblock copolymer containing a polyester and a polyethylene glycol and a diblock copolymer containing a polyester and an end capped polyethylene glycol as well as at least one pharmaceutically active principle or hydrophobic active principle such as medroxyprogesterone acetate levonorgestrel cyclosporine progesterone or bupivacaine is disclosed.

No. of Pages: 151 No. of Claims: 19

(21) Application No.1717/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BIOFILTER ASSEMBLIES FOR BIOMASS GASIFICATION 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> </ul>	:13/157,234 :09/06/2011 :U.S.A. :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)MALL OMPRAKASH
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA	2)MAHULKAR AMOL
Filing Date	:NA	

### (57) Abstract:

Biomass gasification systems including a biofilter assembly adapted to be disposed within a filter unit of a biomass gasification system are provided. The biofilter assemblies may be adapted to filter particulate matter from a producer gas flowing through the filter unit while allowing a remainder of the producer gas to pass through the biofilter assembly. The biofilter assembly may include a support structure and a biofilter disposed on the support structure and including a biomaterial adapted to be gasified in a biomass gasification reactor of the biomass gasification system.

No. of Pages: 26 No. of Claims: 22

(21) Application No.2072/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A SIMPLIFIED USER INTERFACE FOR AN AIRCRAFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:13/179,025 :08/07/2011 :U.S.A. :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)WALTER, RANDY LYNN

# (57) Abstract:

A user interface (30) for an integrated autopilot and flight management system for an aircraft (10) includes a plurality of tactical parameter controls (32) for operation of the autopilot and a plurality of strategic parameter controls (34) for operation of the flight management system.

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

(21) Application No.2209/DEL/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

### (54) Title of the invention: TRAIN CONTROL SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:2011- 158975	(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)IMAMOTO KENJI
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	2)MAEKAWA KEIJI 3)SUGITA YOICHI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

In a train control system, in position estimating methods by a tacho-generator, an acceleration sensor, and the like, since estimation accuracy always changes because of a train state, a surrounding environment, and the like, it is difficult to assume an appropriate error and set the error as the safety margin distance, an excess safety margin distance is set, and service density is deteriorated. On-board equipment 2 0 of a train 2 includes an on-board clock 22 that specifies track information and transmission time information from a GPS satellite la and reception time of the information, an on-rail range calculating section 23 that calculates an on-rail range according to the received information and the reception time, an on-board communication section 24 that performs transmission of own train on-rail range information to track-side equipment 30 and reception of stop target information from the track-side equipment 30, and a speed control section 25 that controls traveling speed of the own train on the basis of the stop target information. The track-side equipment 30 includes a stop target calculating section 32 that calculates stop targets according to on-rail range information of respective trains. The track-side equipment 30 transmits the stop target information to the trains to attain an optimum service with high safety and service density and energy saving.

No. of Pages: 56 No. of Claims: 16

(21) Application No.2210/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10-2012- 0046180 :02/05/2012	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant:231 YANGJAE-DONG, SEOCHO-KU, SEOUL 137-938, REPUBLIC OF KOREA. Republic of Korea (72)Name of Inventor: 1)JEONG WON JIN 2)KIM WOO DEOK 3)KIM DEOK KI 4)SUH HONG SUK
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a shift lever operating force transferring apparatus of a manual transmission. The present invention can remarkably reduce vibrations of a shift lever as a gearshift cable connecting the shift lever and a control shaft can sufficiently absorb vibrations and big impacts transferred to the shift lever, in particular, preventing a gear jump out phenomenon where a gear falls into a neutral state.

No. of Pages: 23 No. of Claims: 7

(21) Application No.11099/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: METHODS FOR TREATING PANCREATIC CANCER USING COMBINATION THERAPIES COMPRISING LIPOSOMAL IRINOTECAN

(51) International :A61K9/00,A61K31/4745,A61K31/513

classification

(31) Priority Document :61/659211

:13/06/2012 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International

Application No

:PCT/US2013/045495 :12/06/2013 Filing Date

:NA

(87) International

**Publication No** 

:WO 2013/188586

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

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

(71)Name of Applicant:

1)MERRIMACK PHARMACEUTICALS INC.

Address of Applicant :One Kendall Square Suite B7201

Cambridge MA 02139 U.S.A.

(72) Name of Inventor:

1)BAYEVER Eliel

2) DHINDSA Navreet

3)FITZGERALD Jonathan Basil

4)LAIVINS Peter 5)MOYO Victor

6)NIYIKIZA Clet

# (57) Abstract:

Provided are methods for treating pancreatic cancer in a patient by administering liposomal irinotecan (MM 398) alone or in combination with additional therapeutic agents. In one embodiment the liposomal irinotecan (MM 398) is co administered with 5 fluorouracil and leucovorin.

No. of Pages: 64 No. of Claims: 27

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: THE CLUTCH SYSTEM FOR STEERING CONTROL OF THE TRACTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B62D11/08 :1403000255 :21/03/2014 :Thailand :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Siam Kubota Corporation Co., Ltd. Address of Applicant: 101/19-24 Moo 20, Navanakorn Industrial Estate, Klongneung Sub-district, Klongluang District, Pathumtani Province, Thailand Thailand (72)Name of Inventor:  1)KRITCHAI COJCHAPLAYUK 2)CHAIRAT DEE-EAM 3)NOPPADOL TRAYANGKUL
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### (57) Abstract:

The internal geared clutch system for steering control of the tractor mitigates several existing problems of the traditional dog clutch by changing to use the internal gear which is designed to ensure more efficient operation. The said gear is shaped to have a cogwheel surface on the left side separated from the right side at the most appropriate degree for the operation, as well as to enable the use of reverse side in case of any abrasion. In this regard, there are detachable bolts and fasteners for convenience in protection and preservation of other gears.

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

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: DOSAGE REGIMEN FOR ADMINISTERING AN EPCAMXCD3 BISPECIFIC 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>	:A61K 39/395 :09170715.8 :18/09/2009 :EPO :PCT/EP2010/063795 :20/09/2010 :WO 2011/033105 :NA :NA :NA	(71)Name of Applicant:  1)MICROMET AG Address of Applicant:STAFFELSEESTR, 2,81477 MUNICH, GE RMANY Germany (72)Name of Inventor: 1)ZUGMEIER, GERHARD 2)KUFER, PETER 3)RUTTINGER, DOMINIK 4)KAUBITZSCH, SABINE
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### (57) Abstract:

The present invention relates to a method (dosage regimen) for administering an EpCAMxCD3 bispecific antibody to a human patient, comprising (a) administering continually a first dose of said antibody for a first period of time; and consecutively (b) administering continually a second dose of said antibody for a second period of time, wherein said second dose exceeds said first dose. The methods of the invention (and likewise the dosage regimen of the invention) are also suitable for treating EpCAM positive epithelial cancer cells in a human patient, or for ameliorating and/or preventing a medical condition mediated by the continued administration of an EpCAMxCD3 bispecific antibody to a human patient. The present invention also relates to the use of an EpCAMxCD3 bispecific antibody for the preparation of a pharmaceutical composition to be used in a method as defined in any one of the preceding claims. A pharmaceutical package or kit comprising the first dose and the second dose as defined in the methods/dosage regimen of the present invention is disclosed as well.

No. of Pages: 67 No. of Claims: 39

(21) Application No.3173/DELNP/2012 A

(19) INDIA

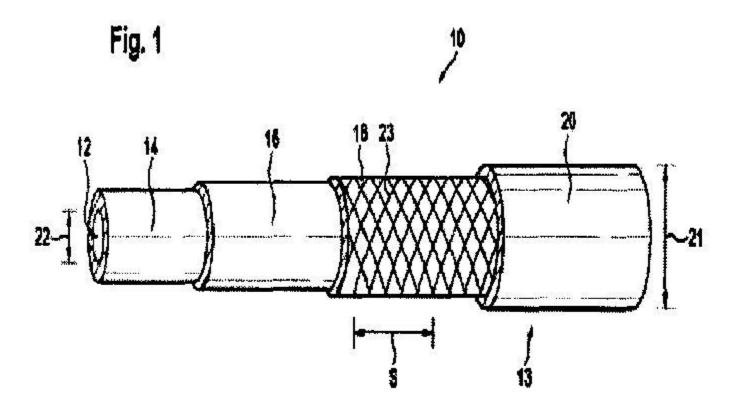
(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FUEL INJECTION SYSTEM

(51) International classification	:F02M 55/00	(71)Name of Applicant:
(31) Priority Document No	:102009045898.0	1)ROBERT BOSCH GMBH
(32) Priority Date	:21/10/2009	Address of Applicant :POSTFACH 30 20 20, 70442
(33) Name of priority country	:Germany	STUTTGART, GERMANY Germany
(86) International Application No	:PCT/EP2010/065246	(72)Name of Inventor:
Filing Date	:12/10/2010	1)KNIS, WOLFRAM
(87) International Publication No	:WO 2011/047986	2)EHRHARDT, UWE
(61) Patent of Addition to Application	:NA	3)ALBRECHT, HANS
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present subject matter describes a fuel injection system (50), in particular a common-rail injection system, having at least two injectors (64) each comprising a return port, and connected to each other by means of a hose (10) at the return ports. The hose (10) includes an inner cavity (12) in which liquid fuel can flow and is surrounded by a wall (13). The wall (13) is resiliently deformable in such a manner that it damps the hydraulic pulsations of the liquid fuel through a change in volume of the cavity (12), and the hose (10) has a coiled thread insert (18) having a slope angle (a) ranging from 15° - 40°, particularly from 25° - 30°.



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

(21) Application No.3174/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BIOCIDE COMPOSITIONS COMPRISING CARBAMATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A01N 25/02 :EP09014325 :17/11/2009 :EPO :PCT/EP2010/006792 :08/11/2010 :WO 2011/060890 :NA :NA :NA	(71)Name of Applicant:  1)COGNIS IP MANAGEMENT GMBH Address of Applicant: HENKELSTRASSE 67, DUSSELDORF 40589, GERMANY Germany (72)Name of Inventor: 1)MERLET, STEPHANIE 2)MUNZENBERG, CINDY 3)WIETHOFF, HELENA
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### (57) Abstract:

Suggested are biocide compositions, comprising carbamates, biocides and optionally oil components / co- solvents and/or emulsifiers. The compositions show high solubility for biocides and improved emulsification properties.

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

(22) Date of filing of Application :10/04/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : REGULATING BACILLUS ANTHRACIS LETHAL FACTOR ACTIVITY VIA AN ACTIVATING EPITOPE REGION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01N33/53 :61/699738 :11/09/2012	(71)Name of Applicant: 1)CENTERS FOR DISEASE CONTROL AND PREVENTION
(86) International Application No Filing Date	:PCT/US2013/059179 :11/09/2013	Prevention, Technology Transfer Office, 4770 Buford Highway, MS K79, Atlanta, GA 30341 U.S.A.
(87) International Publication No	:WO 2014/088664	(72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)GOLDSTEIN, Jason ,Marc 2)QUINN, Conrad, P. 3)BAGAROZZI, Dennis A.
(62) Divisional to Application Number Filing Date	:NA :NA	4)Not applicable

### (57) Abstract:

Provided are peptides capable of reducing the ability of antibodies to stimulate the activity of B. anthracis lethal factor. These peptides may be used to reduce activity of LF in a sample containing an LF activity enhancing antibody , to prevent the possibility of LF enhanced activity in a sample or subject, or as a therapeutic to reduce LF activity in a subject that may - have one or more antibodies that enhance LF activity. Also , provided are immunogens that may be used in a vaccine to confer protection to a subject. An immunogen does not include a sequence including the wild- type amino acids present in LF residues 677- 680 , or mutations of amino acids 677- 680 that will also generate antibodies that enhance LF activity.

No. of Pages: 58 No. of Claims: 25

(22) Date of filing of Application :10/04/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR PROVIDING COMPUTER- AUTOMATED ADJUSTING ENTRIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:05/10/2013 :WO 2014/055965 :NA :NA	(71)Name of Applicant: 1)STONG, Dennis Address of Applicant:1976 Gray Fox Drive, Draper, Utah 84020 U.S.A. (72)Name of Inventor: 1)STONG, Dennis
Filing Date	:NA :NA	

### (57) Abstract:

Systems, methods, and non-transitory computer-readable mediums storing computer program code implement methods for providing a computer aided dual- date system and method for accounting. In some cases, the described systems and methods include steps of receiving a plurality of accounting transactions to a computer device, storing the plurality of accounting transactions, and utilizing the plurality of stored accounting transactions to generate a financial statement. In some cases, each accounting transaction includes two dates, namely a transaction date and an accrual date, wherein the accrual date is for any part of the transaction that is linked to an income statement account. In some cases, the accrual date, unlike the transaction date, may be different for each part within the transaction, indicating when the individual parts of the transaction accrued. Inclusion of the dual dates for each transaction can facilitate generation of accounting reports and statements and other accounting duties.

No. of Pages: 50 No. of Claims: 21

(21) Application No.3184/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MOISTURE-ABSORBING TREATED MATERIAL AND MANUFACTURING METHOD THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A01K 1/015 :2010-041057 :25/02/2010 :Japan :PCT/JP2010/063356 :17/01/2011 :WO 2011/105130 :NA :NA	(71)Name of Applicant: 1)DAIKI CO., LTD. Address of Applicant: 2-6, NISHISUGAMO 1-CHOME, TOSHIMA- KU, TOKYO 1700001, JAPAN Japan (72)Name of Inventor: 1)ITO HIROSHI 2)HATANAKA SHINODU 3)HOSOYA TAKAHIRO
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed is a moisture-absorbing treated material that has a granular core and a coating layer that covers the granular core. Said moisture-absorbing treated material does not change color before use, and a test result can be determined only after use. By weight, 90-96% of the coating layer is a base material and 4-10% of the coating layer is a bodily waste test material. The bodily waste test material contains: a porous adsorbent that has micropores and an adsorption ratio of at least 25 wt%; and a bodily waste test indicator adsorbed to the micropores in the porous adsorbent. The weight of the bodily waste test indicator is between 0.015% and 0.10% of the total weight of the coating layer.

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

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: METAL SPUTTERED MONOFILAMENT OR MULTIFILAMENT HPPE YARNS

(51) International classification	:D06M 10/06	(71)Name of Applicant:
(31) Priority Document No	:09175932.4	1)DSM IP ASSETS B.V.
(32) Priority Date	:13/11/2009	Address of Applicant :HET OVERLOON 1, NL - 6411 TE
(33) Name of priority country	:EUROPEAN	HEERLEN, THE NETHERLANDS Netherlands
(33) Name of priority country	UNION	2)NA
(86) International Application No	:PCT/EP2010/067334	(72)Name of Inventor:
Filing Date	:12/11/2010	1)VAZ, CLAUDIA MARIA
(87) International Publication No	:WO 2011/058123	2)ABEN, GERARDUS
(61) Patent of Addition to Application	:NA	3)VAN DEN BOSCH, EDITH ELISABETH
Number	:NA	4)DIRKS, CHRISTIAAN HENRI PETER
Filing Date	.IVA	5)SMEETS, PAULUS JOHANNES HYACINTHUS MARIE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a treated HPPE yarn characterized in that the treated HPPE yarn comprises: elemental metal; the elemental metal forms a layer that adheres to the surface of the HPPE yarn and covers at least partly the surface of the HPPE yarn, wherein the elemental metal is deposited to the outer surface of a HPPE yarn via sputtering, preferably plasma sputtering. The invention further relates to an article comprising the treated HPPE yarn, a device comprising the treated HPPE yarn or the article. The invention also relates to a process for preparing the treated HPPE yarn or treated HPPE yarn structure or treated HPPE yarn configuration and use of the treated HPPE yarn or an article or a device comprising the treated HPPE yarn for automotive applications, marine applications, aerospace applications, medical applications, defense applications, sports/recreational applications, architectural applications, clothing applications, machinery applications.

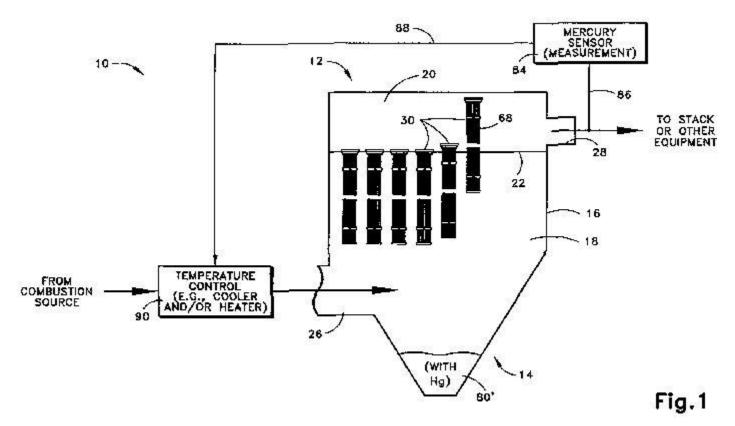
No. of Pages: 40 No. of Claims: 12

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ENHANCED MERCURY CAPTURE FROM COAL-FIRED POWER PLANTS IN THE FILTRATION BAGHOUSE USING FLUE GAS TEMPERATURE AS PROCESS CONTROL KNOB

### (57) Abstract:

A system (10) and associated method (100) for improved mercury removal from a flow containing combustion exhaust. The system (10) includes a filtration arrangement (12) through which the flow proceeds to remove material, including mercury, from the flow. The system (10) includes a sensor arrangement (84) sensing a mercury level within the flow downstream of the filtration arrangement (12) and providing a signal (88) indicative of the sensed mercury level. The system (10) includes an adjustable temperature control arrangement (90) changing a temperature of the combustion exhaust proceeding to the filtration arrangement (12) in response to the signal (88) indicative of the sensed mercury level.



No. of Pages: 24 No. of Claims: 17

(21) Application No.3175/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FERROMAGNETIC POWDER COMPOSITION AND METHOD FOR ITS PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:14/09/2010 :WO 2011/032931 :NA :NA :NA	(71)Name of Applicant:  1)HOGANAS AB (PUBL)  Address of Applicant:BRUKSGATAN 35, S-263 83, HOGANAS, SWEDEN Sweden (72)Name of Inventor:  1)SKARMAN, BJORN 2)YE, ZHOU
Filing Date	:NA	

### (57) Abstract:

The present invention concerns a ferromagnetic powder composition comprising soft magnetic iron-based core particles having an apparent density of 3.2-3.7 g/ml, and wherein the surface of the core particles is provided with a phosphorus-based inorganic insulating layer. The invention further concerns a process for producing the composition and a method for the manufacturing of soft magnetic composite components prepared from the composition, as well as the obtained component.

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

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PROCESSES FOR PREPARING CRYSTALLINE FORMS A AND B OF ILAPRAZOLE AND PROCESS FOR CONVERTING THE CRYSTALLINE FORMS

Filing Date :08/12/2019 (87) International Publication No :WO 2011/	Address of Applicant :182-4, HAGAL-DONG, GIHEUNG-GU, YONGIN-SI, GYEONGGI-DO 446-726 (KR) Republic of Korea (72)Name of Inventor :  1)KIM, DONG YEON 2)SHIN, JAE SOO	
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date :NA Filing Date :NA	3)LEE, JUN YEOUN 4)CHO, KWI HYUNG 5)PARK, SUNG TAE 6)KIM, JUNG WOO 7)NAM, SANG DON	
(62) Divisional to Application Number :NA	6)KIM, JUNG WOO	

### (57) Abstract:

Disclosed are novel processes for preparing crystalline forms A and B of ilaprazole of formula 1 and the conversion of these crystalline forms. The novel processes include a process of preparing the crystalline form A of high purity by preparing an inorganic salt of ilaprazole or a hydrate thereof and then neutralizing the prepared inorganic salt of ilaprazole or the hydrate thereof with an acid in an organic solvent (single solvent or mixed solvent); a process of preparing the crystalline form B of high purity by removing impurities from ilaprazole using an organic solvent (single solvent or mixed solvent); and a process of conversion from the crystalline A into the crystalline form B or from the crystalline form B into the crystalline form A.

No. of Pages: 45 No. of Claims: 21

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHODS AND COMPOSITIONS FOR IMPROVED F-18 LABELING OF PROTEINS, PEPTIDES AND OTHER MOLECULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07K 1/13 :61/266,773 :04/12/2009 :U.S.A. :PCT/US2010/058724 :02/12/2010 :WO 2011/068965 :NA :NA	(71)Name of Applicant:  1)IMMUNOMEDICS, INC. Address of Applicant: 300 AMERICAN ROAD, MORRIS PLAINS, NEW JERSEY 07950, U.S.A. U.S.A. (72)Name of Inventor: 1)MCBRIDE, WILLIAM, J. 2)D'SOUZA, CHRISTOPHER, A. 3)GOLDENBERG, DAVID, M.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present application discloses compositions and methods of synthesis and use of 68Ga, 18F or 19F labeled molecules of use in PET or MRI imaging. Preferably, the 18F or 19F is conjugated to a targeting molecule by formation of a complex with a group IIIA metal and binding of the complex to a chelating moiety, which may be directly or indirectly attached to the targeting molecule. In other embodiments, the 68Ga, F or 19F labeled moiety may comprise a targetable construct used in combination with a bispecific antibody to target a disease-associated antigen. In more preferred embodiments, a chelating moiety or targetable construct may be conjugated to a targeting molecule, such as an antibody or antibody fragment.

No. of Pages: 143 No. of Claims: 43

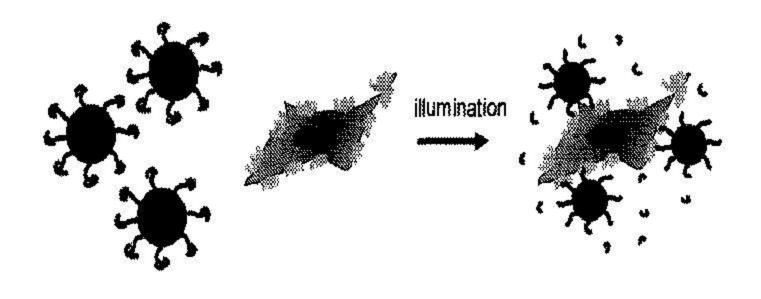
(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PHOTOTRIGGERED NANOPARTICLES FOR CELL AND TISSUE TARGETING

(51) International classification	:A61N 1/30	(71)Name of Applicant :
(31) Priority Document No	:61/247,535	1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(32) Priority Date	:30/09/2009	Address of Applicant :77, MASSACHUSETTS AVENUE,
(33) Name of priority country	:U.S.A.	CAMBRIDGE,MA 02139, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/050846	2)PRESIDENT AND FELLOWS OF HARVARD
Filing Date	:30/09/2010	COLLEGE
(87) International Publication No	:WO 2011/041496	3)CHILDREN'S MEDICAL CENTER CORPORATION
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA :NA	1)DVIR, TAL
Filing Date	.INA	2)KOHANE, DENIEL, S.
(62) Divisional to Application Number	:NA	3)BANGHART, MATTHEW, RYAN
Filing Date	:NA	4)LANGER, ROBERT, S.

### (57) Abstract:

The present invention relates, in part, to a novel and simple particulate system that targets and binds any tissue selectively upon light illumination. The particulate system can be used for targeted delivery of substances to predefined cells or tissues in an individual.



# FIG. 1

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

(21) Application No.1330/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/05/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DYNAMIC MIXER WITH A SEAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11175047.7 :22/07/2011 :EUROPEAN UNION :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SULZER MIXPAC AG  Address of Applicant: RUTISTRASSE 7, 9469 HAAG, SWITZERLAND. Switzerland (72)Name of Inventor:  1)VALENTIN GARTMANN  2)PERCY LEUE
Filing Date	:NA	

### (57) Abstract:

A dynamic mixer (1, 100) for a plurality of fluid components contains a housing (2, 102) and a rotor element (3, 103) which is rotatably arranged in the housing, with the housing having one inlet opening (12, 13, 112, 113) for at least one component each and at least one outlet opening (20, 120). A ring-shaped intermediate space is provided between the rotor element and the housing in which a mixing element (7, 107) connected to the rotor element is arranged. A seal (35, 45, 60, 61) for sealing the rotor element in the mixer housing is provided at the bearing location of the rotor element in the housing.

No. of Pages: 22 No. of Claims: 15

(22) Date of filing of Application :29/10/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TITANIA-CONTAINING COATING COMPOSITION AND COATED ARTICLE

(51) International classification	·P32P17/06	(71)Name of Applicant:
(31) International classification	:2013-	1)Shin-Etsu Chemical Co., Ltd.
(31) Priority Document No	228162	Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku,
(32) Priority Date		Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Kohei MASUDA
Filing Date	:NA	2)Yukimasa AOKI
(87) International Publication No	: NA	3)Koichi HIGUCHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A coating composition is provided comprising (A) 1-50 5 parts by weight of surface-treated titanium oxide comprising core/shell type micro particles each consisting of a titanium oxide core and a silicon oxide shell, which are treated with two surface treating components having formula (I): ISifOR2 and formula (II): (R3R4 2Si)2NH, (B) 100 parts by weight of a 10 vinyl copolymer obtained from copoly merization of (b-1) an alkoxysilyl-containing vinyl monomer, (b-2) a UV-absorbing vinyl monomer, and (b-3) another monomer, and (C) a solvent. A cured film of the composition has improved mar resistance and UV shielding while maintaining visible light transparency.

No. of Pages: 106 No. of Claims: 14

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: METHOD OF COMBUSTING PARTICULATE SOLID FUEL WITH A BURNER

(51) International classification	:F23L 7/00	(71)Name of Applicant :
(31) Priority Document No	:09174635.4	1)L'AIR LIQUIDE SOCIETE ANONYME POUR
(32) Priority Date	:30/10/2009	L'ETUDE ET L'EXPLOITATION DES PROCEDES
(33) Name of priority country	:EPO	GEORGES CLAUDE
(86) International Application No	:PCT/EP2010/066500	
Filing Date	:29/10/2010	FRANCE France
(87) International Publication No	:WO 2011/051464	(72)Name of Inventor:
(61) Patent of Addition to Application	.NY A	1)BELASSE BRENICE
Number	:NA	2)MULON JACQUES
Filing Date	:NA	3)PANIER FAUSTINE
(62) Divisional to Application Number	:NA	4)PAUBEL XAVIER
Filing Date	:NA	5)TSIAVA REMI

### (57) Abstract:

A method of combining oxygen and fuel in a burner to produce a flame whereby an outer oxidant flow is discharged through an outer oxidant outlet of the burner; a flow of conveyor-gas propelled particulate solid fuel is discharged with a fuel discharge velocity through a fuel outlet of the burner arranged coaxially with respect to the outer oxidant outlet and spaced radially inwardly therefrom; and a first inner oxidant flow is discharged with an inner oxidant discharge velocity, which differs from the fuel discharge velocity, through an inner oxidant end outlet of the burner arranged coaxially with respect to said fuel outlet and spaced radially inwardly therefrom; and whereby a second inner oxidant flow, having a higher oxygen concentration than the conveyor gas is injected into the fuel-conducting passage and mixed with the fuel flow inside said fuel-conducting passage so as to obtain, upstream of the fuel outlet and upstream of the inner oxidant end outlet, an oxygen-enriched conveyor-gas propelled particulate solid fuel flow having an oxygen content of at least 21% vol O2.

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

(21) Application No.3180/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: N-OXIDE OF 3-(2,6-DICHLORO-3,5-DIMETHOXY-PHENYL)-1-[6-(4-ETHYL-PIPERAZIN-1-YL)-PHENYLAMINO]-PYRIMIDIN-4-YL}-1-METHYL-UREA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C07D 239/48 :09174619.8 :30/10/2009 :EPO :PCT/EP2010/066435 :29/10/2010 :WO 2011/051425 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant: LICHTSTRASSE 35, CH-4056 BASEL, SWITZERLAND Switzerland (72)Name of Inventor:  1)AICHHOLZ REINER 2)BLASCO FRANCESCA 3)BORDAS VINCENT 4)GRAUS PORTA DIANA
Number Filing Date	:NA	4)GRAUS PORTA DIANA 5)GUANGNANO VITO
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An N-oxide of 3-(2,6-Dichloro-3,5-dimethoxy-phenyl)-1 -{6-[4-(4-ethyl-piperazin-1 -yl)-phenylamino]-pyrimidin-4-yl}-1-methyl-urea, pharmaceutically acceptable salts thereof, compositions including the compound and its pharmaceutically acceptable salts, and methods of preparing the compound and the compositions (such as, for example, by oxidizing 3-(2,6-Dichloro-3,5-dimethoxy-phenyl)-1 -{6-[4-(4-ethyl-piperazin-1 -yl)-phenyl-amino]-pyrimidin-4-yl}-1-methyl-urea with an oxidizing agent) are described. Further described herein are methods of using the compound and compositions of the present technology, alone and in combination with other suitable agents, to treat various diseases, including but not limited to, those that can be prevented, inhibited or ameliorated by inhibition of kinase activity selected from FGFR1, FGFR2, FGFR3 or FGFR4.

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application: 10/04/2015 (43) Publication Date: 25/09/2015

## (54) Title of the invention: QUANTIFICATION METHOD, QUANTIFICATION DEVICE, AND QUANTIFICATION KIT

(51) International :G01N33/579,C12M1/34,C12Q1/66 classification

:2012207268 (31) Priority Document No (32) Priority Date :20/09/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/075304

:19/09/2013 Filing Date

(87) International Publication :WO 2014/046183

(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)DKK TOA CORPORATION

Address of Applicant :29 10 Takadanobaba 1 Chome Shinjuku

ku Tokyo 1698648 Japan

2)HIROSHIMA UNIVERSITY

(72)Name of Inventor: 1)YAWATA, SATOSHI 2) HACHIYA, HIROMITSU

3)KURODA, AKIO 4)NODA, KENICHI

### (57) Abstract:

Provided are a quantification method and a quantification device with which it is possible to measure a sodium -ion- containing sample, such as a biological sample, a pharmaceutical product or food, with high sensitivity and high accuracy. This quantification method comprises: a calibration curve creating step for measuring a standard solution, which has been prepared by adding sodium ions such that the sodium ion content thereof is equivalent to the sodium ion content of a sample to be measured in accordance with a method employing a reaction that activates a Limulus reagent and/or a biochemical luminescent reaction caused by ATP , luciferin, and luciferase, and for creating a calibration curve that represents the relationship between the measurement value and the amount of a component to be measured; a sample measurement step for measuring said sample to be measured in accordance with the same method as the method used in said calibration curve creating step; and a quantification step for finding, by using said calibration curve, the amount of said component to be measured in said sample to be measured from the measurement value obtained in said sample measurement step.

No. of Pages: 53 No. of Claims: 8

(21) Application No.3181/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ELECTRIC POWER GENERATION 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>	:F03D 9/00 :2009-238618 :15/10/2009 :Japan :PCT/JP2010/065745 :13/09/2010 :WO 2011/045999 :NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO ELECTRIC INDUSTRIES, LTD. Address of Applicant:5-33, KITAHAMA 4-CHOME, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN Japan (72)Name of Inventor: 1)OKAZAKI TORU
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### (57) Abstract:

There is provided an electric power generation system utilizing wind power, being excellent in maintainability, and capable of reducing in size and weight a nacelle provided at an upper portion of a tower. An electric power generation system W includes a wind turbine 10, a conductor 20 rotating as the wind turbine 10 rotates, a heat transfer medium vessel 30, a magnetic field generator 40, a heat accumulator 50, and an electric power generation unit 60. The wind turbine 10 is attached to a nacelle 102 provided at an upper portion of a tower 101, and the conductor 20, the heat transfer medium vessel 30 and the magnetic field generator 40 are housed in the nacelle 102. Furthermore, the heat accumulator 50 and the electric power generation unit 60 are provided in a building 103 built at a lower portion (or a base) of the tower 101. The magnetic field generator 40 is operated to generate a magnetic field and therein the conductor 20 is rotated and thus heated through induction, and the conductors heat is transmitted to the water in the heat transfer medium vessel 30 to generate steam which is in turn supplied to a steam turbine 61 and thus drives an electric power generator 62 to generate electric power.

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

(21) Application No.3182/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IMIDAZOLE DERIVATIVES AS CASEIN 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> <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>	:C07D 401/14 :61/255,506 :28/10/2009 :U.S.A. :PCT/IB2010/054749 :20/10/2010 :WO 2011/051858 :NA :NA :NA	(71)Name of Applicant:  1)PFIZER INC.  Address of Applicant:235 EAST 42ND STREET, NEW YORK, NEW YORK 10017, U.S.A. U.S.A. (72)Name of Inventor:  1)SUBRAMANYAM CHAKRAPANI 2)WAGER TRAVIS T.
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### (57) Abstract:

Compounds and pharmaceutically acceptable salts of the compounds are disclosed, wherein the compounds have the structure of Formula (I), as defined in the specification. Corresponding pharmaceutical compositions, methods of treatment, methods of synthesis, and intermediates are also disclosed.

No. of Pages: 92 No. of Claims: 15

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

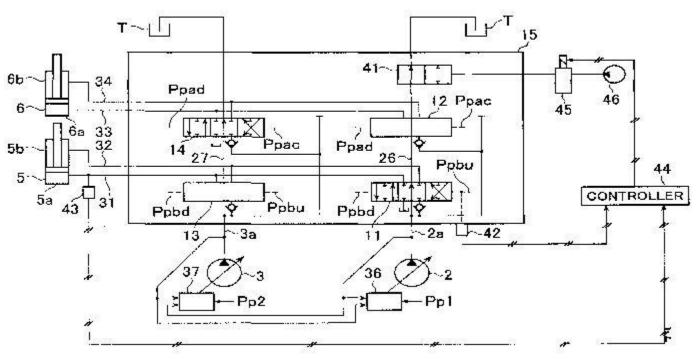
# (54) Title of the invention: HYDRAULIC SYSTEM FOR WORKING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F15B 11/00 :2009-238664 :15/10/2009 :Japan :PCT/JP2010/068082 :14/10/2010 :WO 2011/046184 :NA :NA	(71)Name of Applicant:  1)HITACHI CONSTRUCTION MACHINERY CO., LTD. Address of Applicant:5-1, KORAKU 2-CHOME, BUNKYO-KU, TOKYO 112-8563, JAPAN Japan (72)Name of Inventor: 1)KODAKA KATSUAKI 2)NAKAMURA YUTA 3)SATAKE HIDETOSHI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A hydraulic system for a working machine is provided in which when heavy load fine speed operation work is performed using hydraulic cylinders as hydraulic actuators, deterioration of fuel consumption can be prevented by reducing energy loss and excellent fine speed operability can be assured. A center bypass cutoff valve 41 is disposed downstream of a center bypass line 26, and pressure sensors 42, 43, a controller 44, and a solenoid valve 45 provide control such that, when operating means 16 corresponding to a boom cylinder 5 (specific hydraulic actuator) among a plurality of operating means 18-21 is operated to supply a hydraulic fluid to a cylinder chamber 5a of the boom cylinder 5 in a load retaining side, the center bypass cutoff valve 41 is actuated and a fluid delivery pressure of a first hydraulic pump 2 is increased to be higher than a load pressure of the boom cylinder 5.

FIG. 1



No. of Pages: 69 No. of Claims: 5

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ADMINISTRATION METHOD AND PACKAGINS FOR DOSAGE UNITS

<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>	:A61J1/03 :13/182,742 :14/07/2011 :U.S.A.	Address of Applicant :100 EAST RIVERCENTER BOULEVARD, 1600 RIVERCENTER II, CONVINGTON KY
(86) International Application No	:NA	41011, UNITED STATES OF AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)BRADLEY CARSON
(61) Patent of Addition to Application Number	:NA	2)ROBERT NAPIERALA II
Filing Date	:NA	3)MITCHELL MOSBACHER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Packagings for holding dosage units and methods for administering dosage units from a packaging. The packaging (10) includes a cover (30) and a body (12) with compartments (14) each configured to hold at least one of the dosage units (25). The compartments (14) have a circular arrangement on the body (12). The packaging further includes a cover (30) with a plurality of strips (46) attached to the body (12) for confining the dosage units in the compartments (14). Each of the strips (46) is positioned relative to a respective one of the compartments (14) and configured to be individually manipulated for releasing the dosage unit (25) from the respective one of the compartments (14). The method includes manipulating one of the strips (46) to unblock an opening (58) to one of the compartments (14) and removing the dosage unit (25) from the compartment (14) through the unblocked opening (58).

No. of Pages: 39 No. of Claims: 26

(21) Application No.11003/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: RACECADOTRIL LIPID COMPOSITIONS

(51) International classification :A61K9/107,A61K9/48,A61K31/223

(31) Priority Document No :61/665470 (32) Priority Date :28/06/2012 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2013/048593

Application No Filing Date :28/06/2013

(87) International Publication No :WO 2014/005032

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

(62) Divisional to
Application Number
Filing Date
: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)LEE Der Yang

## (57) Abstract:

A lipid composition comprising racecadotril at least one surfactant and a lipid.

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

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TAR REMOVAL FOR BIOMASS GASIFICATION SYSTEMS

(51) International classification (31) Priority Document No (32) Priority Date	:B01J7/00 :13/157,636 :10/06/2011	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li><li>Filing Date</li></ul>	:U.S.A. :NA :NA	NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)DEPUY, RICHARD ANTHONY
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)MALL, OMPRAKASH
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The disclosed embodiments provide systems for the removal and use of tar from a biomass gasification system (10, 12). For example, in one embodiment, a biomass gasification system (10, 12) includes a reactor (26) configured to gasify a biomass fuel (22) in the presence of air (24) to generate a producer gas (34). The system also includes an absorber (52, 132) configured to receive a mixture of the producer gas and tar (42, 48) and to absorb the tar into an organic solvent (58) to produce treated producer gas (66) and a rich solvent mixture (62) containing at least a portion of the tar. The system further includes a recycle line (64, 120, 168, 182) configured to direct the rich solvent mixture (62) to a biomass gasifier (26).

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

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention : OXYGEN GETTER LAYER FOR PHOTOVOLTAIC DEVICES AND METHODS OF THEIR MANUFACTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/188,782 :22/07/2011 :U.S.A. :NA :NA	Address of Applicant :14401 WEST 65TH WAY, UNIT B ARVADA, COLORADO 80004, U.S.A. U.S.A. (72)Name of Inventor:  1)GROSSMAN, ROBERT DWAYNE
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)FELDMAN-PEABODY, SCOTT DANIEL 3)KNAPP, JEFFREY TODD
Filing Date	:NA	

### (57) Abstract:

Methods are generally disclosed for forming a thin film photovoltaic device (10). According to one embodiment, a transparent conductive oxide layer (14) and an oxygen getter layer (13, 15) can be formed on a transparent substrate (12). The transparent conductive oxide layer (14) and the oxygen getter layer (13, 15) can then be annealed together such that oxygen atoms move from the transparent conductive oxide layer (14) into the oxygen getter layer (13, 15). A photovoltaic heterojunction can be formed on the TCO layer (14). Thin film photovoltaic devices (10) are also generally disclosed.

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : AAD-12 EVENT 416, RELATED TRANSGENIC SOYBEAN LINES, AND EVENT-SPECIFIC IDENTIFICATION 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>	:A01H 1/00 :61/263,950 :24/11/2009 :U.S.A. :PCT/US2010/058001 :24/11/2010 :WO 2011/066384 :NA :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC Address of Applicant:9330 ZIONSVILLE ROAD, INDIANAPOLIS, INDIANA 46268, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)YUNXING CORY CUI 2)THOM HOFFMAN 3)NING ZHOU 4)GREG GILLES 5)TERRY WRIGHT 6)JULISSA COLON 7)RICARDO BARNS 8)NATHAN VANOPDORP 9)YONGHE BAI
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### (57) Abstract:

This invention includes a novel aad-12 transformation event for herbicide tolerance in soybean plants - referred to herein as pDAB4468-0416. This invention includes a heterologous polynucleotide inserted into a specific site within the genome of a soybean cell. In some embodiments, said event / polynucleotide can be stacked with other traits, including, for example, other herbicide tolerance gene(s) and/or insect-inhibitory proteins. Additionally, the subject invention provides assays for detect¬ing the presence of the subject event in a sample (a soybean, for example). The assays can be based on the DNA sequence of the recombinant construct, inserted into the soybean genome, and on the genomic sequences flanking the insertion site. Kits and con¬ditions useful in conducting the assays are also provided.

No. of Pages: 118 No. of Claims: 37

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

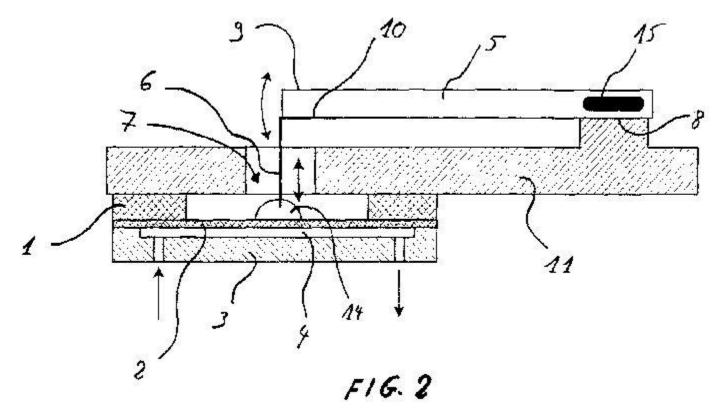
(43) Publication Date: 25/09/2015

# (54) Title of the invention: FLEXIBLE ELEMENT FOR MICROPUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:19/11/2010 :WO 2011/070468 :NA :NA	(71)Name of Applicant:  1)DEBIOTECH S.A.  Address of Applicant: IMMEUBLE LE PORTIQUE  AVENUE DE SEVELIN 28 1004 LAUSANNE,  SWITZERLAND Switzerland  (72)Name of Inventor:  1)SCHNEEBERGER, NIKLAUS  2)CHAPPEL, ERIC
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A micropump in the form of a stack comprising, in succession, a flexible diaphragm (2), a pumping chamber (4) and a closing-off plate (3), said pumping chamber (4) communicating with the outside, for example via the flexible diaphragm (2); said diaphragm (2) being furthermore secured to an actuator (5) arranged outside the micropump, characterized in that said diaphragm (2) is secured to the actuator (5) by way of at least one element in the form of a strip (6), which is rigid along its main axis and flexible in the direction perpendicular to its main axis.



No. of Pages: 15 No. of Claims: 16

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DEVICE FOR DOSING AND ADJUSTING THE FLOW OF A RADIOPAQUE AGENT TO BE USED IN PERFORMING AN ANGIOGRAPHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A61M 5/00 :BO2009A000763 :23/11/2009 :Italy :PCT/IB2010/002969 :22/11/2010 :WO 2011/061614 :NA :NA :NA	(71)Name of Applicant:  1)SPARK S.R.L.  Address of Applicant:VIA DEI LAMPONI, 36 I-40137  BOLOGNA, ITALY Italy (72)Name of Inventor:  1)ZANNOLI, SEBASTIANO
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### (57) Abstract:

A device 100 for dosing and pressure adjusting of a radiopaque agent, and, in particular, of carbon dioxide, while performing angiography, is supplied at a predefined pressure, slightly higher with respect to the environment pressure, from a source 1, with the supplying means 2 enabled, through a supply pipe 3. The device 100 includes first dosing means 10, connected to the supply pipe 3 and aimed at withdrawing measured amounts of carbon dioxide from the source 1. A first reservoir 15 is connected to the first dosing means 10 by a first flow diverter 5, and contains a predefined amount of carbon dioxide to be supplied to an injection catheter 50. The device 100 includes also a second reservoir 25, connected to filling/draining means 6. The first reservoir 15 and second reservoir 25 have a common surface 20, soft or mobile, aimed at facilitating the gas pressure balance in the reservoirs. An output pipe 16 sets the first reservoir 15 and the injection catheter 50 in fluid communication, by means of a second flow diverter 7.

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: PURIFYING DEVICE FOSDR DEEPLY TREATING PRINTING AND DYEING WASTEWATER, AND PURIFYING 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>	:26/01/2011 :WO 2011/063769 :NA :NA	(71)Name of Applicant:  1)BOYING XIAMEN SCIENCE AND TECHNOLOGY CO., LTD.  Address of Applicant: ZHANG, SHIWEN 1ST, NO. 42, XINGLINXI ROAD, JIMEI XIAMEN, FUJIAN PROVINCE,361000, CHINA China (72)Name of Inventor:  1)ZHANG, SHIWEN
Filing Date	:NA	

#### (57) Abstract:

A purifying device and a process for deeply treating printing and dyeing wastewater are provided. The device includes a nanometer catalytic microelectrolysis system, a membrane filtration and separation system and a a membrane washing regeneration system. The method includes the following steps of: drawing the printing and dyeing wastewater by a first water pump (12), pumping a first part of the wastewater into a nanometer catalytic microelectrolysis tank (13) to perform catalysis microelectrolysis, and a second part of the wastewater into a neutralization tank (16) to mix with the water from the nanometer catalytic microelectrolysis tank (13) to precipitate, filtering the wastewater by a sand filtration tank (17), and then pumping the wastewater into an adsorption and Alteration device of granular active carbon (18) for adsorption and filtration. The process has lower cost and higher energy efficiency, and can realize recycled water to be reused.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COMPOSITE MATERIAL

(51) International classification	:B01J 20/28	(71)Name of Applicant :
(31) Priority Document No	:2009148567	1)ELECTROPHOR, INC.
(32) Priority Date	:25/12/2009	Address of Applicant :145 PALISADE STREET, DOBBS
(33) Name of priority country	:Russia	FERRY, NY 10522, USA U.S.A.
(86) International Application No	:PCT/RU2010/000776	(72)Name of Inventor:
Filing Date	:21/12/2010	1)JOSEPH LVOVICH SHMIDT
(87) International Publication No	:WO 2011/078745	2)GLEB MDITRIEVICH RUSINOV
(61) Patent of Addition to Application	:NA	3)ALEXANDER IVANOVICH ANDREEV
Number	:NA	4)ALEXANDER GENNADIEVICH MITILINEOS
Filing Date	.IVA	5)DENIS VLADISLAVOVICH BAIGOZIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to composite materials, and more particular to composite adsorptive materials for purification of liquids, in particular, a drinking water, on the basis of components of a granulated material and a fibrous material. The new composite material for filtering purifying a liquid on the basis of a mixture of components of granulated and fibrous materials comprises volume zones with adjustable density, which zones create the structure of the material, which structure is self-strengthened when a liquid flows in the course of filtration, wherein, said volume zones make the material most part, each zone is created in the form of a interlaced fiber site, which sites are bonded among themselves by separate fibers, and the space within and between said interlaced fiber sites is filled with a granulated material.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PROCESS AND SYSTEM TO CONVERT METHANOL TO LIGHT OLEFIN, GASOLINE AND DISTILLATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:03/12/2010 :WO 2011/071755 :NA :NA	(71)Name of Applicant:  1)EXXONMOBIL RESEARCH AND ENGINEERING COMPANY  Address of Applicant: 1545 ROUTE 22, EAST, P.O. BOX 900, ANNANDALE, NJ 08801-0900, U.S.A. U.S.A. (72)Name of Inventor:  1)STEPHEN HAROLD BROWN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides a process for forming a refined hydrocarbon that includes providing a feed including methanol, dimethyl ether or a mixture thereof, and contacting the feed with a methanol conversion catalyst under suitable conditions to yield an intermediate composition including olefins having at least two carbon atoms. The intermediate composition is introduced to an oligomerization catalyst under suitable conditions to yield gasoline boiling range components and distillate boiling range components.

No. of Pages: 28 No. of Claims: 33

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: REINFORCED AIRFOIL SHAPED BODY

(51) International classification	:F03D 1/06	(71)Name of Applicant:
(31) Priority Document No	:09177783.9	1)BLADENA APS
(32) Priority Date	:02/12/2009	Address of Applicant :SCT. HANSGADE 9, 2. SAL 4100
(33) Name of priority country	:EUROPEAN	RINGSTED, DENMARK Denmark
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/068521	1)FIND MOLHOLT JENSEN
Filing Date	:30/11/2010	
(87) International Publication No	:WO 2011/067248	
(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 an airfoil shaped body with a leading edge and a trailing edge extending along the longitudinal extension of the body and defining a profile chord, the airfoil shaped body comprising an airfoil shaped facing that forms the outer surface of the airfoil shaped body and surrounds an internal volume of the body, a distance member that is connected to the facing inside the body and extends from the facing and into the internal volume of the body, and at least one reinforcing member that operates in tension for reinforcing the facing against inward deflections and that is connected to the facing inside the internal volume of the body at the same side of the profile chord as the connection of the distance member to the facing and to the distance member at a distance from the facing.

No. of Pages: 63 No. of Claims: 19

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: SENSOR ATTACHMENT ARRANGEMENT FOR FLEXIBLE BAGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12M 1/34 :0950977-9 :17/12/2009 :Sweden :PCT/SE2010/050668 :15/06/2010 :WO 2011/075036 :NA :NA	(71)Name of Applicant:  1)GE HEALTHCARE BIO-SCIENCES AB Address of Applicant:PATENT DEPARTMENT BJORKGATAN 30 S-751 84 UPPSALA, SWEDEN Sweden (72)Name of Inventor: 1)KINE BARNFIELD FREJ 2)OWE SALVEN
	:NA :NA :NA	

## (57) Abstract:

An optical sensor holding device adapted to be integrated with a flexible bag, said device comprising - a bag attachment part made from a material that can be welded to the flexible bag; - a sensor attachment part made from a material to which an optical sensor spot can be attached, wherein the sensor attachment part is forced into an opening in the bag attachment part that is slightly smaller than the sensor attachment part such that the sensor attachment part is kept firmly in place and leakage is minimized.

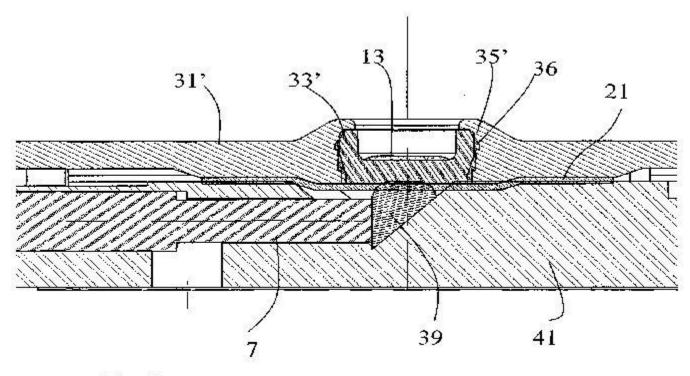


Fig. 3c

No. of Pages: 27 No. of Claims: 7

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DISPOSABLE FLUID PATH SYSTEM AND METHODS FOR PROCESSING COMPLEX BIOLOGICAL 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</li></ul>	:A61M 1/02 :12/636,112 :11/12/2009 :U.S.A. :PCT/EP2010/069134	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD SCHENECTADY, NEW YORK 12345, USA U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:08/12/2010 :WO 2011/070052	1)PHILIP ALEXANDER SHOEMAKER 2)ERIC DOUGLAS WILLIAMS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)JAMES MITCHELL WHITE 4)BLAINE WESTON GRIFFIN 5)JAYDEEP ROY
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed herein is a disposable fluid path for processing complex materials. The disposable fluid path comprises a gravity assisted disposable system for separating a biological sample into two or more distinct submaterials through sedimentation. The fluid path is comprised of a sample delivery conduit and bag-set wherein the bag set comprising a tubing assembly, a separation assembly, and a filter assembly. Methods of using the system are also disclosed.

No. of Pages: 24 No. of Claims: 28

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR COLLECTING ETHANOL FROM AQUATIC PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12P 7/06 :12/628,601 :01/12/2009 :U.S.A. :PCT/US2010/058178 :29/11/2010 :WO 2011/068748 :NA :NA	(71)Name of Applicant:  1)AQUATECH BIOENERGY LLC Address of Applicant:908 S. FAWN CT., SIOUX FALLS, SOUTH DAKOTA 57110, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)TONY A. HAGEN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Methods and systems for collecting, purifying, and/or extracting ethanol produced during anaerobic metabolism by aquatic plants is provided. The system includes a cell containing water and an aquatic plant, an ethanol extraction assembly in fluid communication with the cell for removing ethanol from the water. Ethanol is released by the aquatic plant by initiating an anaerobic process in the plant such as by regulating the photosynthesis inducing light that reaches the aquatic plant.

No. of Pages: 36 No. of Claims: 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2204/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INVERTER CIRCUITS FOR PHOTOVOLTAIC ARRAYS.

(51) Intermedianal algorification	LCOIL	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)DANFOSS POWER ELECTRONICS A/S
(32) Priority Date	:NA	Address of Applicant :ULSNAES 1, DK-6300 GRAASTEN,
(33) Name of priority country	:NA	DENMARK Denmark
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)UFFE, BORUP
(87) International Publication No	: NA	2)SRIVISHNU, RANGANATHAN
(61) Patent of Addition to Application Number	:NA	3)TAMILARASAN, INBASEKARAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An inverter circuit receives DC power supplies from first and second photovoltaic arrays connected in series and converts the DC input into an AC power supply suitable for provision to an electricity grid. In the event that a ground fault is detected, the inverter is isolated from the AC grid and a switch provided across at least one of the first and second photovoltaic arrays is closed in order to keep PV panel voltages within acceptable limits. Figure for publication with the Abstract: Fig. 1

No. of Pages: 16 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2205/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INVERTER CIRCUITS FOR PHOTOVOLTAIC 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> </ul>	:NA :NA	(71)Name of Applicant: 1)DANFOSS POWER ELECTRONICS A/S Address of Applicant: ULSNAES 1, DK-6300 GRAASTEN, DENMARK Denmark (72)Name of Inventor: 1)SRIVISHNU, RANGANATHAN
<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)TAMILARASAN, INBASEKARAN

## (57) Abstract:

An inverter receives DC power supplies from first and second photovoltaic arrays and converts the DC power supplies to an AC power supply. In response to the detection of a ground fault, the inverter is isolated from the AC output and a terminal of one of the PV arrays is disconnected using a switch. A diode is provided across the first photovoltaic array such that, when the terminal of the PV array is disconnected, a current is allowed to pass from the other PV array to the inverter through the diode. Figure for publication with the Abstract: Figure 1

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

(22) Date of filing of Application :28/10/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR PRODUCING 2-ISOPROPYLIDENE-5-METHYL-4-HEXENYL BUTYRATE

(51) International classification	:B05D3/02	(71)Name of Applicant :
(31) Priority Document No	:2013-	1)SHIN-ETSU CHEMICAL CO., LTD.
(31) Thomas Bocamon To	225424	Address of Applicant :6-1, Otemachi 2-chome, Chiyoda-ku,
(32) Priority Date	:30/10/2013	Tokyo, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KINSHO, Takeshi
Filing Date	:NA	2)ISHIBASHI, Naoki
(87) International Publication No	: NA	3)YAMASHITA, Miyoshi
(61) Patent of Addition to Application Number	:NA	4)MIYAKE, Yuki
Filing Date	:NA	5)BABA, Akihiro
(62) Divisional to Application Number	:NA	6)NAGAE, Yusuke
Filing Date	:NA	

## (57) Abstract:

Provided is a simple and efficient method for producing 2-isopropylidene-5-methyl-4-hexenyl butyrate. More specifically, provided is a method for producing 2-isopropylidene-5-methyl-4-hexenyl butyrate, the method comprising the steps of: isomerizing 2-isopropenyl-5-methyl-4-hexenoic acid ester (1) into 2-isopropylidene-5-methyl-4-hexenoic acid ester (2), reducing thus formed 2-isopropylidene-5-methyl-4-hexenoic acid ester (2) into 2-isopropylidene-5-methyl-4-hexenol (3), and butyrylating thus formed 2-isopropylidene-5-methyl-4-hexenol (3) into 2-isopropylidene-5-methyl-4-hexenyl butyrate (4), wherein R represents a C1-10 hydrocarbon group.

No. of Pages: 39 No. of Claims: 3

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COMPOUND SEALING MECHANISM, CYLINDER LINER, AND ENGINE ASSEMBLY METHOD

#### (57) Abstract:

A cylinder liner and compound seal assembly (110) for an internal combustion engine (10) includes a cylinder liner (16) having a liner body (80) with an outer surface (84) and an inner surface (86) defining a longitudinal bore (88). The cylinder liner (16) further includes a first axial end (92), and a second axial end (94) which includes a sealing surface (100) and a protective end projection (102) extending in an axial direction from the sealing surface (100). A compound sealing mechanism (20) for establishing seals between an engine head (12) and an engine housing (14) includes a one-piece gasket body (22) having an outer radial region (34) and an inner radial region (38) which includes a combustion seal (40) having an engine head sealing surface (42) and a cylinder liner sealing surface (43), and a recess (44) formed in the lower surface (32) and located radially outward of the cylinder liner sealing surface (43) and configured to receive therein a protective end projection (102) of the cylinder liner (16). The recess (44) may include a continuous annular recess (44) circumferential of a center axis of a cylinder opening (28) formed in the one-piece gasket body (22), and positioned adjacent the cylinder liner sealing surface (43). The protective end projection (102) may include a continuous annular projection (102) arranged coaxially with the longitudinal bore (88) and positioned adjacent an inner surface (86) of the cylinder liner (16).

No. of Pages: 27 No. of Claims: 10

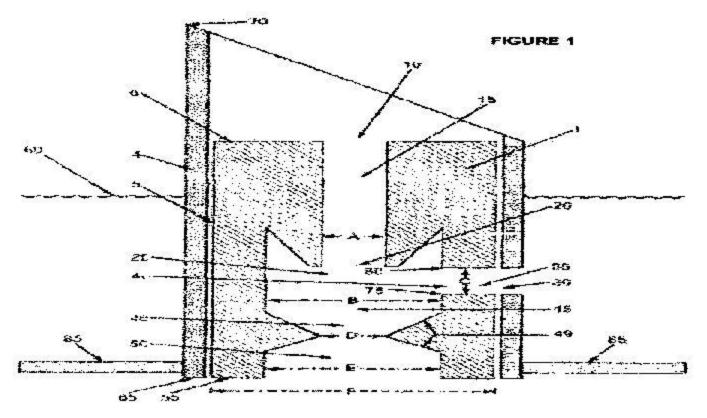
(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FLOW DISTRIBUTION DEVICE FOR DOWNFLOW CATALYTIC REACTORS

(51) International classification	:B01J 8/04	(71)Name of Applicant:
(31) Priority Document No	:12/575,334	1)CHEVRON U.S.A. INC.
(32) Priority Date	:07/10/2009	Address of Applicant :6001 BOLLINGER CANYON ROAD,
(33) Name of priority country	:U.S.A.	SAN RAMON, CALIFORNIA 94583, UNITED STATES OF
(86) International Application No	:PCT/US2010/051583	AMERICA U.S.A.
Filing Date	:06/10/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/044201	1)PARIMI, KRISHNIAH
(61) Patent of Addition to Application	:NA	2)SONG, STEVEN X.
Number	:NA	3)KILLEN, RALPH E.
Filing Date	.IVA	4)MEEKER, RONALD K.
(62) Divisional to Application Number	:NA	5)SOUERS, STEVEN A.
Filing Date	:NA	

## (57) Abstract:

The invention is a fluid distribution device for coupling with a fluid distribution conduit or chimney for improving the distribution of downwardly flowing poly-phase mixture including at least one gas phase and at least one liquid phase, above at least one catalyst bed of granular solid catalytic material. The fluid distribution device for receiving the liquid and gas phases has one or more openings in the top and/or upper portion of its height through which a gas phase can enter and has a gas conduit that opens to a mixing cavity within the device. The fluid distribution device further comprises one or more lateral openings for liquid ingress. The lateral opening or openings allow the liquid to enter a liquid conduit that opens to the internal mixing cavity. The mixing cavity allows intimate contact between the liquid and gas phases. Therefore the flow distribution device of the invention provides improved tolerance for tray out of levelness.



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

(21) Application No.4872/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PIVOT-ARM TYPE MANIPULATOR 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>	:03/12/2009 :WO 2011/067864 :NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, TOYOTA-CHO, TOYOTA-SHI, AICHI, 471-8571 JAPAN. Japan (72)Name of Inventor: 1)ISONO HIROSHI
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a pivot-arm type manipulator device, comprising an arm member that pivots about an axis by being manipulated, and a friction contact unit that generates friction force as the arm member pivots. At least one of the following differs between a first region of a small degree of manipulation vis-a-vis the arm member and a second region of the degree of manipulation vis-a-vis the arm member that is greater than the degree of manipulation of the first region: the friction coefficient between two members that configure the friction contact unit, the pressing load that acts between the two members that configure the friction contact unit, or the distance in the radial direction between the axis and the friction contact unit. The resistance torque that is applied to the arm member about the axis by friction force accordingly varies with the degree of manipulation vis-a-vis the arm member.

No. of Pages: 89 No. of Claims: 10

(22) Date of filing of Application :01/06/2012 (4

(43) Publication Date: 25/09/2015

# (54) Title of the invention : LEAF SPRING DEVICE HAVING EYE, LEAF SPRING DEVICE MANUFACTURING METHOD, AND SHOT PEENING APPARATUS

(51) International classification	:B24C 1/10	(71)Name of Applicant :
(31) Priority Document No	:2009-293414	1)NHK SPRING CO., LTD.
(32) Priority Date	:24/12/2009	Address of Applicant :3-10, FUKUURA, KANAZAWA-KU,
(33) Name of priority country	:Japan	YOKOHAMA-SHI, KANAGAWA 236-0004 JAPAN Japan
(86) International Application No	:PCT/JP2010/072357	2)SUMIHATSU CO., LTD
Filing Date	:13/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/077985	1)TANGE AKIRA
(61) Patent of Addition to Application	:NA	2)KURIMOTO KIYOSHI
Number		3)GOTO YURIKA
Filing Date	:NA	4)KATO TADAKAZU
(62) Divisional to Application Number	:NA	5)INOGUCHI SHINICHI
Filing Date	:NA	
(55) 11		<u>'</u>

## (57) Abstract:

A leaf spring device (10) is provided with a leaf spring (11), which has an eye (12) at each end thereof, and a bushing (20) press-fitted into the eye (12). An inner surface (30) of the eye (12) is shaved by means of a reamer or the like and is shot-peened. A compressive residual stress distribution on the inner eye surface (30) formed by the shot peening is such that the absolute value of a compressive residual stress ( $\tau$ 1 in a first region (S1), including a winding start portion (31) of the eye (12), and the absolute value of a compressive residual stress ( $\tau$ 2) in a second region (S2), including a winding intermediate point (32) of the eye (12), are greater than the absolute values of compressive residual stresses ( $\tau$ 3) in other regions (S3) of the inner eye surface (30).

No. of Pages: 33 No. of Claims: 5

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TOOL MADE OF CUBIC BORON NITRIDE SINTERED 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/10/2010 :WO 2011/111261 :NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO ELECTRIC HARDMETAL CORP. Address of Applicant: 1-1, KOYAKITA 1-CHOME, ITAMI-SHI, HYOGO 664-0016, JAPAN Japan (72)Name of Inventor: 1)OKAMURA KATSUMI 2)SETOYAMA MAKOTO 3)KUKINO SATORU
Filing Date	:NA :NA	

#### (57) Abstract:

A tool made of a cubic boron nitride sintered body which has a long life in a stable manner in any application of cutting and plastic working is provided. The tool made of the cubic boron nitride sintered body according to the present invention includes a cubic boron nitride sintered body at least at a tool working point and it is characterized by satisfying an Equation (I) and any one of an Equation (II) and an Equation (III)  $20 \le X \le 98$  ... (I)  $Y \le 0.6xX+3$  (where  $20 \le X < 88$ ) ... (II)  $Y \le 5.8xX-455$  (where  $88 \le X \le 98$ )... (III) where a ratio of cubic boron nitride contained in the cubic boron nitride sintered body is denoted as X volume % and thermal conductivity of the cubic boron nitride sintered body is denoted as Y (W/mK).

No. of Pages: 39 No. of Claims: 8

(22) Date of filing of Application :01/11/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHANOLIC EXTRACT OF ANABAENA 7120 SHOWING ANTIMICROBIAL ACTIVITY AGAINST HELOCOBACTER PYLORI.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C12N15/52 :NA :NA	(71)Name of Applicant: 1)AMITY UNIVERSITY Address of Applicant: AMITY UNIVERSITY CAMPUS
(33) Name of priority country	:NA	SECTOR-125, NOIDA-201303, UP, INDIA Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUBHASHA NIGAM
(87) International Publication No	: NA	2)RAJASHREE 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 invention relates to a novel composition against Helicobacter pylori comprising methanoclic extract of cyanobacteria Anabaena 7120 as the active ingredient and a method for preparation of said extract. The composition effectively removes Helicobacter pylori from the stomach in a short period of time and provides a safe and effective method for the prevention or treatment of gastritis and prevents peptic ulcer caused by Helicobacter pylori infection.

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : WIPER BLADE, IN PARTICULAR FOR WINDOWS OF MOTOR VEHICLES, AND METHOD FOR PRODUCING A WIPER BLADE

(51) International classification	:B60S 1/38
(31) Priority Document No	:10 2010 001 900.3
(32) Priority Date	:12/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/05137
Filing Date	:01/02/2011
(87) International Publication No	:WO 2011/098372
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	
(62) Divisional to Application Number	:NA
Filing Date	:NA
(57) Abstract:	

# (71)Name of Applicant:

#### 1)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, 70442

STUTTGART, GERMANY Germany

77 (72)Name of Inventor:

1)DE BLOCK, PETER

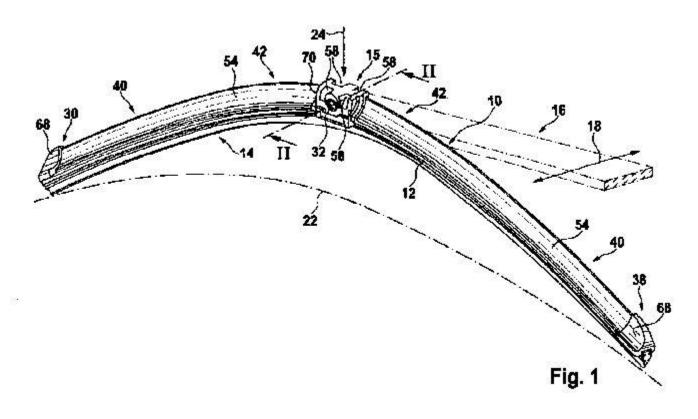
2)CAMPS, JOHAN 3)KIPFMUELLER, MARTIN

ANNA NI HOME IA NI

4)VAN HOYE, JAN 5)WEIDLICH, JOCHEN

(57) Abstract:

Described herein is a wiper blade (10) for windows of motor vehicles, comprising a supporting element (12) supporting an elastic wiper strip (14), and at least one resilient spring rail (38) having a connection device (15), which can connect to a wiper arm (16) directly or via an adapter, and which is welded to the at least one resilient spring rail (38) of the supporting element (12). In an embodiment, the connection device (15) comprises at least one energy pointer (46) on a leg (36) comprehensive of the at least one resilient spring rail (38), wherein the energy pointer directs welding energy to a defined point between the resilient spring rail (38) and the connection piece (15).



No. of Pages: 18 No. of Claims: 23

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: GEAR LEVER LOCKING DEVICE

(51) International classification	:B60R 25/00	(71)Name of Applicant :
(31) Priority Document No	:0901005451	1)PETCHARAPIRAT, SUWAT
(32) Priority Date	:04/12/2009	Address of Applicant :555 MOO 1, NONGTATAM SUB-
(33) Name of priority country	:Thailand	DISTRICT PRANBURI DISTRICT, PRACHUAPKHIRIKHAN
(86) International Application No	:PCT/TH2010/000046	77120 THAILAND Thailand
Filing Date	:03/12/2010	2)KANTAJARANITI, KAMOL
(87) International Publication No	:WO 2011/068484	3)TIEMSIRIWAT, SOMCHAI
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)KANTAJARANITI, KAMOL
Filing Date	.11/1	2)TIEMSIRIWAT, SOMCHAI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A gear lever locking device to be installed inside a gear lever cover panel is characterized in that it comprises an auxiliary connector transverse stud and a gear lever connector which is slidable in accordance with the movement of a gear lever. On an auxiliary connector, there is provided a plurality of stud holes for use with a gear lever transverse stud having a stud end pushing mechanism. The stud end pushing mechanism receives the force exerted from a locking mechanism by a pressing means. The gear lever locking device according to the present invention includes screw guards and a cover wall that have been designed to cover a locking mechanism installation portion to prevent any removal of fastening screws or a gear sling, to prevent disassembling or breaking of the locking mechanism of the gear lever locking device to improve safety.

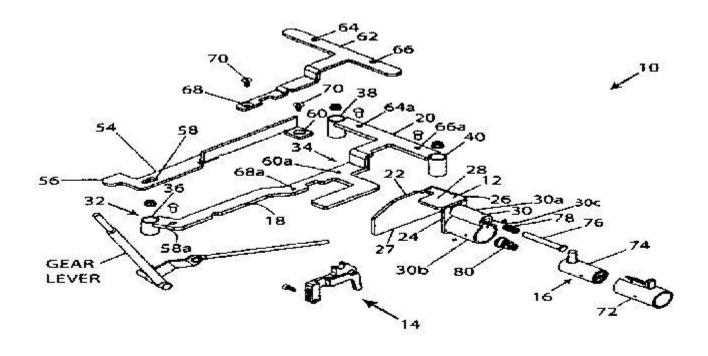


FIG. 1

No. of Pages: 76 No. of Claims: 40

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

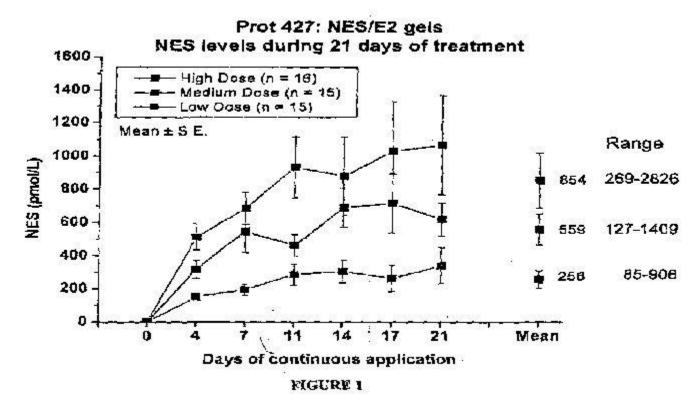
(43) Publication Date: 25/09/2015

# (54) Title of the invention: NESTORONE®/ESTRADIOL TRANSDERMAL GEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A61K 31/565 :61/287,514 :17/12/2009 :U.S.A. :PCT/US2010/060941 :17/12/2010 :WO 2011/084668 :NA :NA	2)ANTARES PHARMA IPL AG (72)Name of Inventor: 1)SITRUK-WARE, REGINE 2)CARRARA, DARIO NORBERTO RAMON

## (57) Abstract:

The invention discloses compositions and methods for ensuring in both women of fertile age where it ensures also a contraception with additional health benefits and in postmenopausal women where it offers a hormonal therapy with additional medical benefits such as the potential for lower risk of thrombosis. The aforementioned compositions comprising NES as a potent progestational and antiovulatory agent with no androgenic nor estrogenic nor glucocorticoid effect, and combined with estradiol formulated for non-oral transdermal administration as specific daily doses.



No. of Pages: 32 No. of Claims: 12

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : COMPOUND, CERTAIN NOVEL FORMS THEREOF, PHARMACEUTICAL COMPOSITIONS THEREOF AND METHODS FOR PREPARATION AND USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C07D 403/12 :200910199259.2 :23/11/2009 :China :PCT/CN2010/078997 :23/11/2010 :WO 2011/060746 :NA :NA	(71)Name of Applicant:  1)HUTCHISON MEDIPHARMA LIMITED  Address of Applicant: 720 CAI LUN ROAD, BUILDING 4, PUDONG SHANGHAI 201203 CHINA China (72)Name of Inventor:  1)SU, WEI-GUO 2)ZHANG, WEIHAN 3)JIA, HONG 4)CUI, YUMIN 5)REN, YONGXIN 6)SAI,YANG
(61) Patent of Addition to Application Number	:NA	5)REN, YONGXIN

## (57) Abstract:

Compound of Formula A and pharmaceutically acceptable salts thereof and crystalline Forms I and II of Compound of Formula A! Also, methods for the preparation of such compounds, pharmaceutical compositions comprising such compounds, and methods for their uses.

No. of Pages: 52 No. of Claims: 38

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ACTUATOR ARRANGEMENT

(51) International classification	:h02k	(71)Name of Applicant :
(31) Priority Document No	:14 161 067.5-17	1)IMS GEAR GMBH Address of Applicant :Heinrich-Hertz-Str. 16, 78166
(32) Priority Date	:21/03/2014	Donaueschingen, Germany Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)AMBS Marcel
Filing Date	:NA	2)FECHLER Jens
(87) International Publication No	: NA	3)KARNAT Bjoern
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an actuator arrangement for a brake, particularly an electric parking brake or an electro-mechanic operating brake with a brake pad - adjustment unit (20) that can be driven by an actuator arrangement (I 0). The actuator arrangement is designed in a modular fashion and comprises the following components: - an electric motor (40), - a transmission unit (50) located in a housing, which is coupled to the electric motor (40) and is effectively connected at the output side with the brake pad - adjustment unit (20), - a plug accept (71) for a connection plug of an electric connection unit (70), which is electrically connected to the electric motor (40), - the electric motor (40) is encompassed at least partially by an encasement (SO), at which the plug accept (71) is formed in one piece, and/or - the fastening means (60) are embodied as a separate exchange part, provided with fastening openings (63), and fixed at the actuator arrangement (10) in a torque-proof fashion. REFER TO FIGURE 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.4853/DELNP/2012 A

(43) Publication Date: 25/09/2015

# (54) Title of the invention: VIRAL POLYMERASE INHIBITORS

		(71)Name of Applicant :
(51) International classification	:C07D 209/08	1)BOEHRINGER INGELHEIM INTERNATIONAL
(31) Priority Document No	:61/546,213	GMBH
(32) Priority Date	:20/02/2004	Address of Applicant :BINGER STRASSE 173, 55216
(33) Name of priority country	:U.S.A.	INGELHEIM AM RHEIN, GERMANY Germany
(86) International Application No	:PCT/CA2005/000208	(72)Name of Inventor:
Filing Date	:18/02/2005	1)YOULA S. TSANTRIZOS
(87) International Publication No	:WO 2004/087714	2)CATHERINE CHABOT
(61) Patent of Addition to Application	NIA	3)PIERRE BEAULIEU
Number	:NA	4)CHRISTIAN BROCHU
Filing Date	:NA	5)MARTIN POIRIER
(62) Divisional to Application Number	:3799/DELNP/2006	6)TIMOTHY A. STAMMERS
Filed on	:03/07/2006	7)BOUNKHAM THAVONKEHAM
		8)JEAN RANCOURT

# (57) Abstract:

An enantiomer, diastereoisomer or tautomer of a compound, represented by formula I: wherein A, B, R1, R2, R3, R4, R5, R6, R7, R8, R9, and R10 are as defined herein, or a salt or ester thereof, as an inhibitor of HCV NS5B polymerase.

No. of Pages: 174 No. of Claims: 43

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : AN EXPRESSION CONSTRUCT AND PROCESS ENHANCING THE CARBON, NITROGEN, BIOMASS AND YIELD OF PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N :NA :NA :NA :PCT/IB2012/051965 :19/04/2012 : NA :NA :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA. Delhi India (72)Name of Inventor: 1)ANISH KAACHRA 2)SURENDER KUMAR VATS 3)PARAMVIR SINGH AHUJA 4)SANJAY KUMAR
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## (57) Abstract:

The assimilated C and N largely influence plant growth and crop yields. Previous attempts to alter the carbon and nitrogen status of the plants attempted with one or two genes The present invention involves simultaneous co-overexpression of three genes wherein one gene (PEPCase) efficiently capture CO2 whereas the other two encode for enzymes (AspAT and GS) involved in nitrogen assimilation. The combined effect is the enhancement of carbon and nitrogen status of the plant and the productivity

No. of Pages: 68 No. of Claims: 11

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

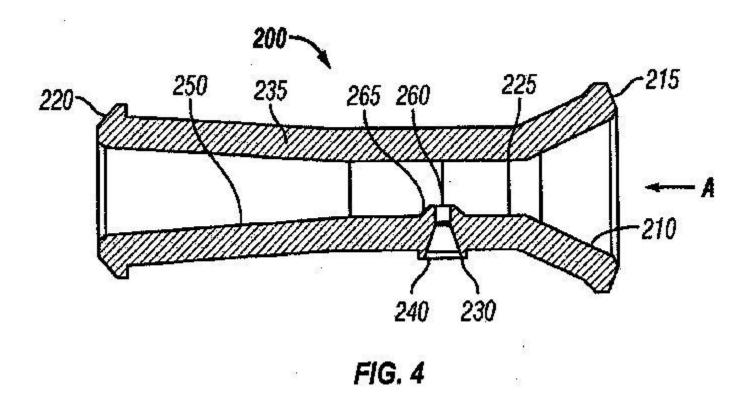
(43) Publication Date: 25/09/2015

# (54) Title of the invention: ENHANCED EDUCTOR DESIGN

(51) International classification	:A61M 15/00	(71)Name of Applicant:
(31) Priority Document No	:61/284,784	1)MAP PHARMACEUTICALS, INC.
(32) Priority Date	:23/12/2009	Address of Applicant :2400 BAYSHORE PARKWAY,
(33) Name of priority country	:U.S.A.	SUITE 200, MOUNTAIN VIEW, CA 94043, UNITED STATES
(86) International Application No	:PCT/US2010/062084	OF AMERICA U.S.A.
Filing Date	:23/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/079310	1)STEDMAN, BENJAMIN
(61) Patent of Addition to Application	:NA	2)KAKADE, PRASHANT
Number	:NA	3)WOEHLER, DARRELL
Filing Date	.IVA	4)LEONARD, JOHN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides for an enhanced eductor element that significantly increases the amount of pressure generated at the siphon tube without significantly increasing the flow resistance through the eductor. The invention further provides for breath-actuated inhalation devices comprising the enhanced eductor element as an actuation mechanism.



No. of Pages: 41 No. of Claims: 23

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NOVEL ERGOLINE ANALOGS

(51) International classification	:A01N 43/42	(71)Name of Applicant:
(31) Priority Document No	:61/289,987	1)MAP PHARMACEUTICALS, INC.
(32) Priority Date	:23/12/2009	Address of Applicant :2400 BAYSHORE PARKWAY,
(33) Name of priority country	:U.S.A.	SUITE 200, MOUNTAIN VIEW, CA 94043, UNITED STATES
(86) International Application No	:PCT/US2010/062098	OF AMERICA U.S.A.
Filing Date	:23/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/079313	1)COOK, ROBERT, O.
(61) Patent of Addition to Application	:NA	2)ARMER, THOMAS, A.
Number	:NA	3)KOSAREV, SERGEY, A.
Filing Date	.11/1	4)ZHANG, JIAN
(62) Divisional to Application Number	:NA	5)XIE, DEJIAN
Filing Date	:NA	

## (57) Abstract:

Provided herein are novel ergoline derivatives and pharmaceutical compositions thereof. In other embodiments, provided herein are methods of treatment, prevention, or amelioration of a variety of medical disorders such as, for example, migraine using the compounds and compositions disclosed herein. In still other embodiments, provided herein are methods of agonizing receptors such as, for example, the 5-HT1D and or 5-HT1B receptor using the compounds and compositions disclosed herein. In still other embodiments, provided herein are methods of antagonizing or inhibiting activity at receptors such as, for example, the 5-HT2B receptor using the compounds and compositions disclosed herein. In still other embodiments, provided herein are methods of regulating serotonin transport using the compounds and compositions disclosed herein.

No. of Pages: 91 No. of Claims: 7

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ELECTRONICALLY AND IONICALLY CONDUCTING MULTI-LAYER FUEL CELL ELECTRODE AND A METHOD FOR MAKING THE SAME

#### (57) Abstract:

The present invention relates to an Electronically and ionically conducting multi¬layer fuel cell electrode and a method for making the same and more specifically in respect of an Electrode-Membrane Assembly (EMA). The said EMA of a Proton Exchange Membrane Fuel Cells (PEMFC) having a)The anode gas diffusion layer (GDL) (1); b) the anode catalyst layer (2); c) the ionomer membrane(3); d) the cathode catalyst layer (4); and e) the cathode gas diffusion layer (GDL) (5) wherein the EMA is interposed between two grooved separator plates/current collector plates (6,7), which are substantially impermeable to the reactant fluid streams, to form a fuel cell assembly with two gaskets (8 &9) placed on either side to prevent gas leak from the sides and to have good electrical contact of the electrodes with the current collector plates, wherein the Gas Diffusion Layer (GDL) is provided with an electronically and ionically conducting fuel cell interfacial layer, which forms a proton and electron conducting network, comprising carbon, ionomeric solution and water.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4869/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: LINEAR ACTUATOR

(51) International classification	:A47C 20/04	(71)Name of Applicant:
(31) Priority Document No	:PA 2009 01282	1)LINAK A/S
(32) Priority Date	:04/12/2009	Address of Applicant :SMEDEVAENGET & GUDERUP,
(33) Name of priority country	:Denmark	DK-6430 NORDBORG, DENMARK; Denmark
(86) International Application No	:PCT/DK2010/0001282	(72)Name of Inventor:
Filing Date	:06/12/2010	1)BASTHOLM, JEPPE CHRISTIAN
(87) International Publication No	:WO 2011/066836	2)ABRAHAMSEN, JOHN, GUTTOM
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A linear actuator with a reversible electric motor (3,11,26,27,34), which over a transmission (4,12,24,25,35) drives a non-self locking spindle (5,14,22,23,36), by which a tube-shaped positioning element can be moved axially, in that it with one end is connected to a spindle nut (6,15) on a spindle (5,14,22,23,36). The actuator comprises a quick release (9,13) for releasing the tube-shaped positioning element (7,16,28,29,37) from the electric motor (3,11,26,27,34) and the part of the transmission (4,12,24,25,35) that lies from the motor (3,11,26,27,34) to the quick release (9,13) such that the spindle (5,14,22,23,36) is set to rotate by the load on the tube-shaped positioning element (7,16,28,29,37). The actuator further comprises braking means for controlling the speed of the tube-shaped positioning element (7,16,28,29,37) during the outer load, when the quick release (9,13) is activated. The braking means consists of a centrifugal brake (38,60), by which it is possible to provide a construction where the lowering speed is self-controlled when the quick release (9,13) is activated.

No. of Pages: 24 No. of Claims: 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4870/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: PHARMACEUTICAL SOLID DOSAGE FORM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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 9/50 :EP09175339.2 :07/11/2009 :EPO :PCT/EP2010/066925 :05/11/2010 :WO 2011/054930 :NA :NA :NA	(71)Name of Applicant:  1)LABORATORIOS DEL DR. ESTEVE, S.A. Address of Applicant: AVDA. MARE DE DEU DE MONTSERRAT, 221, E-08041 BARCELONA (ES) Spain (72)Name of Inventor: 1)SANTANACH-DELISAU, ANGEL 2)ESPOSITO, PIERANDREA 3)SOLER RANZANI, LUIS
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## (57) Abstract:

The present invention is directed to a solid dosage form comprising (i) a core comprising a benzimidazole; (ii) a separating layer comprising a water soluble polymer and glyceryl monostearate; and (iii) an enteric coating.

No. of Pages: 22 No. of Claims: 15

(21) Application No.4871/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : NONVOLATILE LATCH CIRCUIT AND LOGIC CIRCUIT, AND SEMICONDUCTOR DEVICE USING THE SAME

#### (57) Abstract:

To provide a novel nonvolatile latch circuit and a semiconductor device using the nonvolatile latch circuit, a nonvolatile latch circuit includes a latch portion having a loop structure where an output of a first element is electrically connected to an input of a second element, and an output of the second element is electrically connected to an input of the first element; and a data holding portion configured to hold data of the latch portion. In the data holding portion, a transistor using an oxide semiconductor as a semiconductor material for forming a channel formation region is used as a switching element. In addition, a capacitor electrically connected to a source electrode or a drain electrode of the transistor is included.

No. of Pages: 192 No. of Claims: 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3186/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TALAROMYCES TRANSFORMANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12N 1/14 :09174990.3 :04/11/2009 :EUROPEAN UNION :PCT/EP2010/066796 :04/11/2010 :WO 2011/054899 :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B.V.  Address of Applicant: HET OVERLOON 1, NL-6411 TE HEERLEN, THE NETHERLANDS Netherlands (72)Name of Inventor:  1)LOS, ALRIK PIETER  2)VONK, BRENDA  3)VAN DEN BERG, MARCO ALEXANDER  4)DAMVELD, ROBBERTUS ANTONIUS  5)SAGT, CORNELIS MARIA JACOBUS  6)VOLLEBREGT, ADRIANUS WILHELMUS HERMANUS  7)SCHOONEVELD-BERGMANS, MARGOT ELISABETH FRANCOISE
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# (57) Abstract:

The invention relates to a Talaromyces transformant comprising one or more recombinant gene, capable of producing cellulase in the absence of cellulase inducer in a glucose medium, having a cellulase activity of 2 WSU/ml or more, in 16 times or more diluted supernatant or broth.

No. of Pages: 99 No. of Claims: 23

(21) Application No.4893/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HEAT EXCHANGER FOR GASES, IN PARTICULAR FOR THE EXHAUST GASES OF 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09/11/2010 :WO 2011/061090 :NA :NA :NA	(71)Name of Applicant:  1)VALEO TERMICO, S.A.  Address of Applicant: CTRA. DE LOGRONO, KM . 8,9, E- 50011 ZARAGOZA Spain (72)Name of Inventor:  1)EVA TOMAS HERRERO  2)JUAN CARLOS DE FRANCISCO MORENO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a heat exchanger comprising a node arranged inside a frame (2), said node comprising an array of tubes for gas circulation with heat exchange with a coolant. Said heat exchanger is characterized in that said frame (2) comprises two coolant inlet ducts (4) and outlet (5) ducts arranged in the vicinity of each other on the same side of the frame, and in that it comprises bypass means (6, 7a-7d) arranged inside the frame (2) capable of directing the coolant flow in a direction opposite to that of the gas flow m a portion at least of said frame (2). It can be used for enhancing the coolant distribution in order to obtain an optimal yield..

No. of Pages: 25 No. of Claims: 23

(21) Application No.4894/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SYNERGISTIC HERBICIDAL COMPOSITIONS CONTAINING BENFLURALIN

(51) International classification	:A01N 43/40	(71)Name of Applicant:
(31) Priority Document No	:61/287,823	1)DOW AGROSCIENCES LLC
(32) Priority Date	:18/12/2009	Address of Applicant :9330 ZIONSVILLE ROAD,
(33) Name of priority country	:U.S.A.	INDIANAPOLIS, IN 46268, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/060706	U.S.A.
Filing Date	:16/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/075562	1)DOMINIQUE LARELLE
(61) Patent of Addition to Application	:NA	2)JEAN-LOUIS CARDON
Number	:NA	3)RICHARD MANN
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An herbicidal composition containing (a) benfluralin and (b) either diflufenican, flufenacet or prosulfocarb provides synergistic control of selected weeds in cereals.

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

(22) Date of filing of Application :04/06/2012 (

(43) Publication Date: 25/09/2015

# (54) Title of the invention: PROCESS AND SYSTEM TO CONVERT OLEFINS TO DIESEL AND OTHER DISTILLATES

(51) International classification	:C10G 29/20	(71)Name of Applicant:
(31) Priority Document No	:61/287,854	1)EXXONMOBIL RESEARCH AND ENGINEERING
(32) Priority Date	:18/12/2009	COMPANY
(33) Name of priority country	:U.S.A.	Address of Applicant :1545 ROUTE 22 EAST, P.O. BOX
(86) International Application No	:PCT/US2010/060491	900, ANNANDALE, NJ 08801-0900, UNITED STATES OF
Filing Date	:15/12/2010	AMERICA U.S.A.
(87) International Publication No	:WO 2011/075523	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)BENJAMIN S. UMANSKY
Number	:NA	2)MICHAEL C. CLARK
Filing Date	.IVA	3)CARLOS N. LOPEZ
(62) Divisional to Application Number	:NA	4)KATHERINE L. WEIGER
Filing Date	:NA	

## (57) Abstract:

The present invention provides a process for producing a hydrocarbon fuel composition that includes introducing an olefin feed composition including light olefins to an oligomerization catalyst to yield an intermediate composition including olefins having at least four carbon atoms, introducing the intermediate composition and a second feed of aromatic compounds (e.g., a feed including from 2 to 99.9% benzene or other alkylatable aromatics) to an aromatic alkylation catalyst to yield a fractionation feed to provide a composition which can be further refined to provide one or more hydrocarbon fuel compositions.

No. of Pages: 39 No. of Claims: 37

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FOUR-WHEELED VEHICLE

(51) International classification	:B62D 31/00	(71)Name of Applicant :
(31) Priority Document No	:MI2009A002054	1)PIAGGIO & C. S.P.A.
(32) Priority Date	:23/11/2009	Address of Applicant :VIALE RINALDO PIAGGIO, 25 I-
(33) Name of priority country	:Italy	56025 PONTEDERA, ITALY Italy
(86) International Application No	:PCT/IB2010/002761	(72)Name of Inventor:
Filing Date	:27/10/2010	1)MARCO LAMBRI
(87) International Publication No	:WO 2011/061585	2)LUCA MARANO
(61) Patent of Addition to Application	:NA	3)DAVIDE FABIO SCOTTI
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Herein described is a vehicle (10) comprising a bearing frame (12) of the tubular trestle type, two front steered wheels (14, 16), two rear wheels (18, 20) with fixed axis (144), an engine unit (22), steering means (24) through which it is possible to operate on the front wheels (14, 16), a front suspension unit (26), connecting the frame (12) to the front wheels (14, 16), a rear suspension unit (28), connecting the frame (12) to the rear wheels (18, 20), a transmission unit, interposed between the engine unit (22) and the axle shafts of the rear wheels (18, 20), a seat (44) for the driver of the vehicle (10), arranged at a central position with respect to such vehicle (10), and at least two seats (44) for the passengers of the vehicle (10) adjacent to each other, arranged laterally and receded according to a predefined distance with respect to the seat (44) for the driver of the vehicle (10). The engine unit (22) is elastically constrained with respect to the rear suspension unit (28) through at least one suspension mechanism (72, 74; 84, 90, 92), which provides a first level for filtering the stresses generated by the operation of the engine unit (22) and so that such rear suspension unit (28) is capable of supporting the overall weight of the engine unit (22). In turn, the rear suspension unit (28) is elastically constrained to the frame (12) through at least one auxiliary suspension mechanism (96, 98) which, alongside the elasticity of the tyres of the rear wheels (18, 20), forms a second level for filtering the stresses generated by the operation of the engine unit (22). In the respective rebound and roll motions with respect to the frame (12) of the vehicle (10), the rear suspension unit (28) is fixed to the frame (12) by means of only two bushings (138, 132), so as to reduce the times and costs of assembling the vehicle (10).

No. of Pages: 58 No. of Claims: 25

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HETEROCYCLIC COMPOUNDS USEFUL AS PDK1 INHIBITORS

Filing Date :05/10/20	2)SUNESIS PHARMACETICALS, INC (72)Name of Inventor: 1)ARNDT, JOSEPH 2)CHAN, TIMOTHY
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# (57) Abstract:

The present invention provides compounds useful as inhibitors of PDK1. The present invention also provides compositions thereof, and methods of treating PDK1-mediated diseases.

No. of Pages: 371 No. of Claims: 50

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CIRCULAR STAPLER INTRODUCER WITH MULTI-LUMEN SHEATH

(51) International classification	:A61B 19/08	(71)Name of Applicant:
(31) Priority Document No	:12/621,667	1)ETHICON ENDO-SURGERY, INC
(32) Priority Date	:19/11/2009	Address of Applicant :4545 CREEK ROAD, CINCINNATI,
(33) Name of priority country	:U.S.A.	OH 45242, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT/US2010/057120	(72)Name of Inventor:
Filing Date	:17/11/2010	1)CHESTER O. BAXTER, III
(87) International Publication No	:WO 2011/063056	2)JOHN V. HUNT
(61) Patent of Addition to Application	:NA	3)DANIUS P. SILKAITIS
Number	:NA	4)JEFFREY P. WILEY
Filing Date	.IVA	5)PAUL T. FRANER
(62) Divisional to Application Number	:NA	6)JOHN B. SCHULTE
Filing Date	:NA	7)DANIEL J. ABBOTT

## (57) Abstract:

Introducers for introducing a surgical circular stapler into a patient. Various embodiments comprise a sheath that defines a first lumen that has a closed end and an open end. The first lumen may be sized to receive at least a distal end portion of the stapling head of the stapler within the closed end. The sheath may have a weakened area therein such that upon an application of a release motion thereto, the weakened area ruptures to permit the hollow sheath to be removed from the stapler.

No. of Pages: 47 No. of Claims: 19

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PROCESS FOR THE MANUFACTURE OF ACROLEIN AND/OR ACRYLIC ACID FROM GLYCEROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C07C 45/52 :0958937 :14/12/2009 :France :PCT/FR2010/052692 :13/12/2010 :WO 2011/080447 :NA :NA	(71)Name of Applicant:  1)ARKEMA FRANCE Address of Applicant: 420, RUE D'ESTIENNE D'ORVES, F- 92700 COLOMBES, FRANCE France (72)Name of Inventor:  1)JEAN-FRANCOIS DEVAUX 2)MICHEL FAUCONET 3)NABIL TLILI 4)PHILIPPE HALLER 5)JEAN DALIL COMPAT
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to the manufacture of bioresourced acrolein and bioresourced acrylic acid from glycerol as starting material and more particularly comes within the scope of a process for the manufacture of acrolein and acrylic acid according to which the reaction for the dehydration of glycerol to give acrolein is carried out and a stage of oxidizing a water-rich phase separated from the reaction mixture coming from this dehydration reaction is carried out, before it is recycled to the glycerol dehydration stage. This oxidation treatment prevents organic impurities from accumulating during the process, while minimizing the consumption of water and the discharge of polluted aqueous streams.

No. of Pages: 40 No. of Claims: 14

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SUBSTRATE FOR SUPERCONDUCTING COMPOUND AND METHOD FOR MANUFACTURING THE SUBSTRATE

(74) 7	YY04D 40/06	(71)Name of Applicant:
(51) International classification	:H01B 12/06	1)TOYO KOHAN CO., LTD.
(31) Priority Document No	:2009-265285	Address of Applicant :2-12, YONBAN-CHO, CHIYODA-KU
(32) Priority Date	:20/11/2009	TOKYO 102-8447, JAPAN Japan
(33) Name of priority country	:Japan	2)SUMITOMO ELECTRIC INDUSTRIES, LTD.
(86) International Application No	:PCT/JP2010/006649	(72)Name of Inventor:
Filing Date	:12/11/2010	1)HIRONAO OKAYAMA
(87) International Publication No	:WO 2011/061909	2)KOUJI NANBU
(61) Patent of Addition to Application	:NA	3)AKIRA KANEKO
Number		4)HAJIME OTA
Filing Date	:NA	5)KOTARO OHKI
(62) Divisional to Application Number	:NA	6)TAKASHI YAMAGUCHI
Filing Date	:NA	7)KAZUHIKO HAYASHI
		8)KAZUYA OHMATSU

## (57) Abstract:

Provided are a substrate for a superconducting compound and a method for manufacturing the substrate which can realize the excellent adhesive strength simultaneously with high orientation of copper. An absorbed material on a surface of a copper foil to which rolling is applied at a draft of 90% or more is removed by applying sputter etching to the surface of the copper foil, sputter etching is applied to a nonmagnetic metal sheet, the copper foil and the metal sheet are bonded to each other by applying a pressure to the copper foil and the metal sheet using reduction rolls, crystals of the copper in the copper foil are oriented by heating a laminated body formed bysuchbonding, copper is diffused intothemetalsheet byheating with a copper diffusion distance of l0nm or more, and a protective layer is laminated to a surface of the copper foil of the laminated body.

No. of Pages: 37 No. of Claims: 4

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention: RECEPTION APPARATUS, RECEPTION METHOD, TRANSMISSION APPARATUS, TRANSMISSION METHOD, PROGRAM, AND BROADCAST SYSTEM

(51) International classification :H04N 7/24 (31) Priority Document No :2009-287228 (32) Priority Date :18/12/2009 (33) Name of priority country :Japan (86) International Application No Filing Date :10/12/2010 (87) International Publication No :WO 2011/074218 (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)SONY CORPORATION

Address of Applicant :1-7-1 KONAN, MINATO-KU,

TOKYO 108-0075, JAPAN Japan

:PCT/JP2010/007194 (72)Name of Inventor :

1)NAOHISA KITAZATO

#### (57) Abstract:

To realize a service of data content that can interlock with AV content of programs without providing a band for broadcasting data content in a broadcast band for digital television broadcast, provided is a reception apparatus that receives an audio and/or video (AV) content, the apparatus including: an extraction section to extract trigger information from the AV content, the trigger information being related to an application program that is executed interlocking with a progress of the AV content, the trigger information including a trigger type; and a control section to control one of an activation of the application program, a dispatch of an event of the application program being executed, and an end of the application program being executed in accordance with the trigger type included in the extracted trigger information.

No. of Pages: 69 No. of Claims: 49

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CLOUD WORKLOAD TRACKING IN HOMOGENEOUS AND HETEROGENEOUS CLOUDS

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)UNISYS CORPORATION
(32) Priority Date	:NA	Address of Applicant :C/O PATENT & TECHNOLOGY
(33) Name of priority country	:NA	LAW GROUP MS/2NW, 801 LAKEVIEW DRIVE, SUITE 100,
(86) International Application No	:NA	BLUE BELL, PA 19422, UNITED STATES OF AMERICA
Filing Date	:NA	U.S.A.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NISARUDDIN SHAIK
Filing Date	:NA	2)SATISH KUMAR GOVINDARAJU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems and methods are disclosed herein to a workload movement tracking system including a cloud workload tracker configured to: generate a workload identification code associated with a workload; generate a spider tracker associated with the workload that tracks the workload from a first cloud to a second cloud; and receive tracking status updates from the spider tracker as the workload moves through a network connecting the first cloud to the second cloud.

No. of Pages: 31 No. of Claims: 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3002/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/04/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ALKYLBENZENE SULFONATE SURFACTANTS FOR CONTROLLING HERBICIDE SPRAY DRIFT

(51) International classification	:A01N41/04	(71)Name of Applicant:
(31) Priority Document No	:61/713053	1)DOW AGROSCIENCES LLC
(32) Priority Date	:12/10/2012	Address of Applicant :9330 Zionsville Road, Indianapolis,
(33) Name of priority country	:U.S.A.	Indiana 46268 U.S.A.
(86) International Application No	:PCT/US2013/064307	(72)Name of Inventor:
Filing Date	:10/10/2013	1)SHAO ,Hui
(87) International Publication No	:WO 2014/059125	2)ZHANG ,Hong
(61) Patent of Addition to Application	:NA	3)TANK, Holger
Number		4)LI ,Mei
Filing Date	:NA	5)QIN ,Kuide
(62) Divisional to Application Number	:NA	6)LIU ,Lei
Filing Date	:NA	7)WILSON, Stephen L.;

# (57) Abstract:

Spray drift during the application of an aqueous mixture of a herbicide , such as an auxinic herbicide , is reduced by incorporating into a spray mixture one or more alkylbenzene sulfonate surfactants.

No. of Pages: 24 No. of Claims: 29

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHYLENE AMINOETHYL SULFONIC ACID CHELATING RESINS

(51) International classification	:C08F 28/02	(71)Name of Applicant:
(31) Priority Document No	:09178036.1	1)LANXESS DEUTSCHLAND GMBH
(32) Priority Date	:04/12/2009	Address of Applicant :51369 LEVERKUSEN, GERMANY
(33) Name of priority country	:EUROPEAN	Germany
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/068747	1)MICHAEL SCHELHAAS
Filing Date	:02/12/2010	2)PIERRE VANHOORNE
(87) International Publication No	:WO 2011/067340	3)REINHOLD KLIPPER
(61) Patent of Addition to Application	:NA	4)GEORG MARTIN
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to chelating resins containing methyleneaminoethylsulfonic acid groups, a process for producing them and also their use for removing heavy metals or metals of value from aqueous solutions having a pH of < 4, preferably from process water in or from the electronics industry, the electroplating industry or the mining industry.

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

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DETECTION OF AAD-12 SOYBEAN EVENT 416

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12Q 1/68 :61/263,950 :24/11/2009 :U.S.A. :PCT/US2010/057967 :24/11/2010 :WO 2011/066360 :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC Address of Applicant:9330 ZIONSVILLE ROAD, INDIANAPOLIS, IN 46268, U.S.A. U.S.A. (72)Name of Inventor: 1)STEPHEN NOVAK 2)YUNXING CORY CUI 3)THOMAS W. GREENE 4)NING ZHOU
(61) Patent of Addition to Application Number Filing Date		· ·
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates in part to methods of detecting an AAD-12 soybean event. The subject invention provides assays for detecting the presence of the subject event in a sample (of soybeans, for example). Kits and conditions useful in conducting the assays are also provided. More specifically, the present invention relates in part to an endpoint TaqMan PCR assay for the AAD-12 soybean event. Some embodiments are directed to assays that are capable of high throughput zygosity analysis. The subject invention further relates, in part, to the discovery of a preferred reference gene for use in determining zygosity. This invention also relates in part to plant breeding using any of the subject methods. In some embodiments, said event / polynucleotide sequence can be stacked with other traits. The subject procedures can be used to uniquely identify soybean lines comprising the event of the subject invention.

No. of Pages: 43 No. of Claims: 22

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: GASIFICATION SYSTEM

(51) International classification	:F23G 5/027	(71)Name of Applicant:
(31) Priority Document No	:0921266.3	1)RIFAT AL CHALABI
(32) Priority Date	:04/12/2009	Address of Applicant : CHINOOK SCIENCES LIMITED, NO.
(33) Name of priority country	:U.K.	1 NOTTINGHAM SCIENCE PARK, JESSE BOOT AVENUE,
(86) International Application No	:PCT/GB2010/002178	UNIVERSITY BOULEVARD, NOTTINGHAM,
Filing Date	:26/11/2010	NOTTINGHAMSHIRE NG7 2RU, UNITED KINGDOM U.K.
(87) International Publication No	:WO 2011/067552	2)OPHNEIL HENRY PERRY
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)RIFAT AL CHALABI
Filing Date	.11/1	2)OPHNEIL HENRY PERRY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides an apparatus for processing material such as organically coated waste and organic materials including biomass, industrial waste, municipal solid waste and sludge, comprising a processing chamber (2) for processing said material at an elevated temperature to produce syngas and a combustion chamber (4) having at least one burner therein for combusting syngas released by processing of said material. A conduit means (18) is provided between said combustion chamber and said processing chamber for carrying hot exhaust gasses from the combustion chamber (4) to said processing chamber (2) and at last one mirror (24) is arranged to reflect and concentrate sunlight thereby to cause the temperature within said processing chamber (2) to be raised. The apparatus also includes a syngas reservoir (66). A storage conduit (62) is provided for carrying syngas into said syngas reservoir (66) and a syngas feed line (68) is provided for feeding syngas from said reservoir to said combustion chamber (4). (Figure 7)

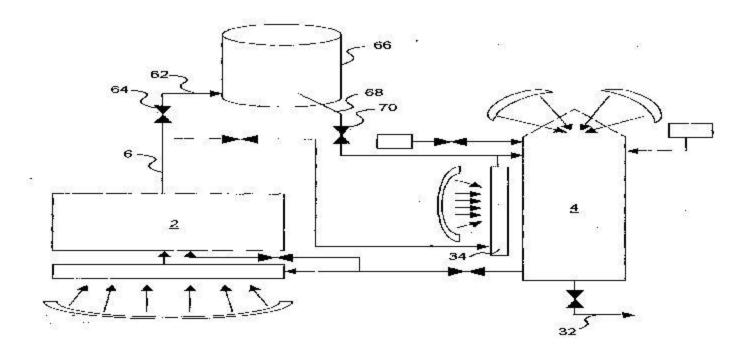


Fig 7

No. of Pages: 31 No. of Claims: 26

(22) Date of filing of Application :27/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FOAMED SPACER FLUIDS CONTAINING CEMENT KILN DUST AND METHODS OF USE

(51) International classification	:C09K8/42,C09K8/40	(71)Name of Applicant:
(31) Priority Document No	:13/535145	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:27/06/2012	Address of Applicant :10200 Bellaire Blvd. Houston Texas
(33) Name of priority country	:U.S.A.	77072 U.S.A.
(86) International Application No	:PCT/US2013/048092	(72)Name of Inventor:
Filing Date	:27/06/2013	1)BENKLEY James Robert
(87) International Publication No	:WO 2014/004773	2)SPENCER Joseph V.
(61) Patent of Addition to Application	:NA	3)KRANZ Zachary Robert
Number	:NA	4)GARRISON Christopher Jay
Filing Date	.11/1	5)BRENNEIS D. Chad
(62) Divisional to Application Number	:NA	6)RODDY Craig W.
Filing Date	:NA	

#### (57) Abstract:

Disclosed are spacer fluids comprising cement kiln dust (CKD) and methods of use in subterranean formations. An embodiment discloses a method comprising: providing a foamed spacer fluid comprising CKD, a foaming agent, a gas, and water; and introducing the foamed spacer fluid into a well bore to displace at least a portion of a first fluid present in the well bore. Another embodiment discloses a method comprising: providing a foamed spacer fluid comprising a partially calcined kiln feed removed from a gas stream, a foaming agent, a gas, and water, wherein the partially calcined kiln feed comprises S1O 2, AI2O3, Fe O , CaO, MgO, SO3, NaiO, and K2O; and introducing the foamed spacer fluid into a well bore to displace at least a portion of a first fluid present in the well bore.

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

(22) Date of filing of Application :27/12/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR USE IN A MOBILE COMMUNICATION NETWORK

(51) International classification :H04W72/08,H04W16/24,H04W72/04

(31) Priority Document No :61/679321 (32) Priority Date :03/08/2012 (33) Name of priority :U.S.A.

country

(86) International :PCT/SE2013/050942

Application No Filing Date :107/3E201

(87) International

Publication No :WO 2014/021772

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
:NA
: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)WANG Yi Pin Eric 2)GRANT Stephen

3)RAMOS Edgar 4)H–GLUND Andreas

5)MIAO Qingyu

## (57) Abstract:

Filing Date

There is provided a method of operating a network node in a communication network the communication network comprising a mobile device a first base station and a second base station the first base station having a lower transmission power than the second base station and being located within the coverage area of the second base station the mobile device being located within an imbalanced region between the first base station and the second base station and being served by the first base station the method in the network node comprising configuring the mobile device the first base station and the second base station such that the mobile device transmits uplink data to the first base station and the mobile device receives downlink data only from the second base station. Corresponding methods are provided for operating a mobile device and a second base station. A network node mobile device and second base station are also provided that are configured to perform the respective operating methods.

No. of Pages: 41 No. of Claims: 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.11152/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/12/2014

(43) Publication Date: 25/09/2015

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

(51) International classification	:G06Q20/38	(71)Name of Applicant:
(31) Priority Document No	:201210248692.2	1)ZTE CORPORATION
(32) Priority Date	:18/07/2012	Address of Applicant :ZTE Plaza Keji Road South Hi Tech
(33) Name of priority country	:China	Industrial Park Nanshan Shenzhen Guangdong 518057 China
(86) International Application No	:PCT/CN2013/077426	(72)Name of Inventor:
Filing Date	:18/06/2013	1)ZHU Ye
(87) International Publication No	:WO 2014/012407	2)CHEN Xiaoyan
(61) Patent of Addition to Application	:NA	3)WEI Wei
Number	:NA	4)FENG Changbao
Filing Date	.IVA	5)QIU Ting
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed are a payment method and device. The method comprises: after a payment request from a terminal is received acquiring a two dimensional code from the terminal wherein the two dimensional code contains payment information about a corresponding account; reading the payment information about the account contained in the two dimensional code; and according to the payment request charging the account using the payment information. The present invention solves the problem in the related art that the method of paying for goods in an electronic shop is relatively complicated and allows a user to conveniently and rapidly pay for goods in an electronic shop improving the user experience.

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

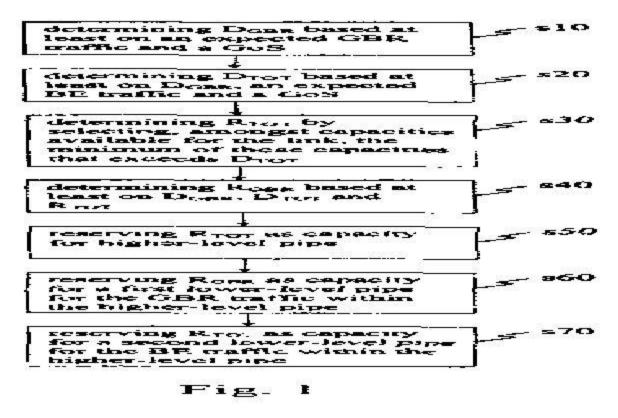
(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR RESERVING CAPACITY ON A COMMUNICATION NETWORK 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:18/01/2010 :WO 2010/085822 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)BADER, ATTILA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for reserving capacity on a communication network link for guaranteed bit rate (GBR) and best effort (BE) traffic includes determining (s10) a dimensioned capacity DGBR for GBR traffic based on an expected GBR traffic load and one grade of service (GoS); determining (s20) a dimensioned capacity DTOT for total traffic based on DGBR, an expected BE traffic load and one GoS; determining (s30) a reserved capacity RTOT for total traffic by selecting, amongst capacities available on the link, the minimum of these capacities that exceeds DTOT; determining (s40) a reserved capacity RGBR for GBR traffic based on DGBR, DTOT and RTOT; reserving (s60) RTOx as capacity for a higher-level pipe on the link; reserving (s60) RGBR as capacity for a first lower-level pipe for GBR traffic within the higher-level pipe; and reserving (s70) RTOT as capacity for a second lower-level pipe for BE traffic within the higher-level pipe.



No. of Pages: 53 No. of Claims: 16

(21) Application No.2749/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BILLING METHOD FOR CLOUD WORKLOAD MOVEMENT

(51) Intermedianal alassificación	. A C1M	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)UNISYS CORPORATION
(32) Priority Date	:NA	Address of Applicant :C/O PATENT & TECHNOLOGY
(33) Name of priority country	:NA	LAW GROUP MS/2NW, 801 LAKEVIEW DRIVE, SUITE 100,
(86) International Application No	:NA	BLUE BELL, PA 19422, UNITED STATES OF AMERICA
Filing Date	:NA	U.S.A.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NISARUDDIN SHAIK
Filing Date	:NA	2)SATISH KUMAR GOVINDARAJU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems and methods are disclosed herein to a workload movement tracking system including a cloud workload tracker configured to: generate a workload identification code associated with a workload; generate a spider tracker associated with the workload that tracks the workload from a first cloud to a second cloud; and receive tracking status updates from the spider tracker as the workload moves through a network connecting the first cloud to the second cloud.

No. of Pages: 31 No. of Claims: 17

(22) Date of filing of Application :29/10/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR PRODUCING (E)-2-ISOPROPYL-5-METHYL-2,4-HEXADIENYL ACETATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:Japan :NA :NA : NA	(71)Name of Applicant:  1)SHIN-ETSU CHEMICAL CO., LTD. Address of Applicant:6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, JAPAN Japan (72)Name of Inventor: 1)KINSHO, Takeshi 2)ISHIBASHI, Naoki 3)YUMOTO, Yoshiyuki
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	3)YUMOTO, Yosmiyuki
Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a simple and efficient method for producing (E)-2-isopropyl-5-methyl-2,4-hexadienyl acetate. More specifically, provided is a method for producing (E)-2-isopropyl-5-methyl-2,4-hexadienyl acetate comprising the steps of: isomerizing 2-isopropenyl-5-methyl-4-hexadienoic acid (1) into (E)-2-isopropyl-5-methyl-2,4-hexadienoic acid (2), reducing thus formed (E)-2-isopropyl-5-methyl-2,4-hexadienoic acid (3), and acetylating thus formed (E)-2-isopropyl-5-methyl-2,4-hexadienol (3) into (E)-2-isopropyl-5-methyl-2,4-hexadienyl acetate (4), wherein Ac represents an acetyl group.

No. of Pages: 47 No. of Claims: 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3187/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: THE INTESTINE AND MUSCLE 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> </ul>	:A61K 38/26 :09172398.1 :07/10/2009 :EPO :PCT/EP2010/065021 :07/10/2010	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: AVENUE NESTLE 55, CH-1800 VEVEY, SWITZERLAND Switzerland  2)I.N.R.A.  (72)Name of Inventor:
<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 2011/042501 :NA :NA :NA :NA	1)ATTAIX, DIDIER 2)CODRAN-RAISON, AUDREY 3)CORTHESY-THEULAZ, IRENE 4)BREUILLE, DENIS 5)COMBARET, LYDIE

# (57) Abstract:

The present invention generally relates to the field of nutrition and health. In particular, the present invention provides a composition that allows it to treat, limit or prevent muscle atrophy. Embodiments of the present invention are directed at GLP-2 containing compositions and to compositions that stimulate the secretion of GLP-2 in a body to treat or prevent muscle atrophy.

No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :04/06/2012

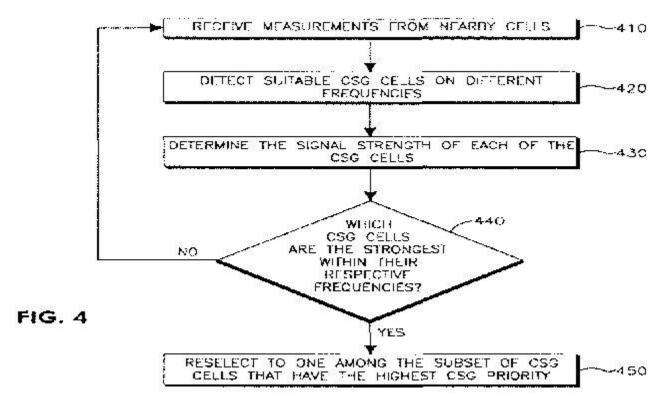
(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR MANAGING CSG PRIORITIES IN IDLE AND CONNECTED MODES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H04W 36/00 :61/293,497 :08/01/2010 :U.S.A. :PCT/US2011/020702 :10/01/2011 :WO 2011/085324 :NA :NA	(71)Name of Applicant:  1)INTERDIGITAL PATENT HOLDINGS, INC. Address of Applicant: 3411 SILVERSIDE ROAD, CONCORD PLAZA, SUITE 105, HAGLEY BUILDING, WILMINGTON, DELAWARE 19810, U.S.A. U.S.A. (72)Name of Inventor: 1)GOMES, SYLVIE 2)PANI, DIANA 3)MARINIER, PAUL
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#### (57) Abstract:

A method comprising detecting closed subscriber group (CSG) proximity based on an autonomous search function; signaling a proximity indication to a network, wherein the proximity indication includes at least one priority of at least one allowed neighbor CSG cell. A method comprising, performing measurements on neighboring CSG cells; and generating a measurement report including measurements of at least one neighboring CSG cell; and transmitting a measurement report and a CSG priority for at least one CSG cell.



No. of Pages: 43 No. of Claims: 6

(22) Date of filing of Application :04/06/2012

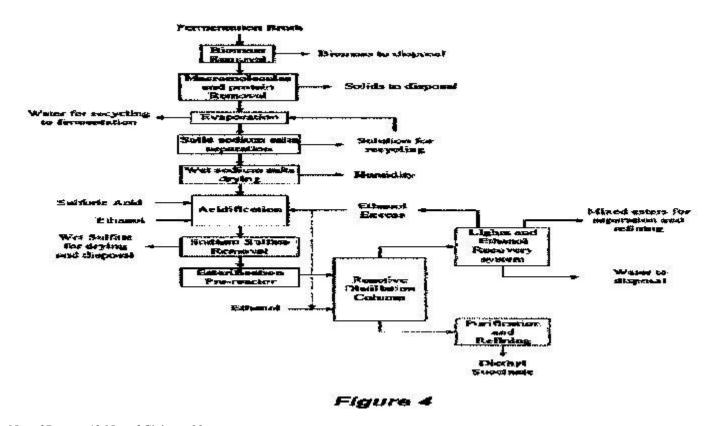
(43) Publication Date: 25/09/2015

# (54) Title of the invention: CARBOXYLIC ACID RECOVERY AND METHODS RELATED THERETO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07C 67/08 :61/265,851 :02/12/2009 :U.S.A. :PCT/US2010/058787 :02/12/2010 :WO 2011/069008 :NA :NA	(71)Name of Applicant:  1)BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY  Address of Applicant: 450 ADMINISTRATION BUILDING, EAST LANSING, MI 48824-1046, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)ORJUELA, ALVARO 2)YANEZ-MCKAY, ABRAHAM 3)LIRA, CARL
Number		2)YANEZ-MCKAY, ABRAHAM
(62) Divisional to Application Number Filing Date	:NA :NA	4)MILLER, DENNIS

#### (57) Abstract:

A method of producing an alkyl ester of a carboxylic acid is provided, the method comprising: adding an alkanol and a mineral acid to a carboxylic acid salt to provide a carboxylic acid/alkanol solution and a precipitated mineral acid salt; separating the mineral acid salt from the carboxylic acid/alkanol solution; esterifying the carboxylic acid; and isolating an alkyl ester of the carboxylic acid.



No. of Pages: 43 No. of Claims: 22

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MONOCLONAL ANTIBODIES THAT BIND B7H6 AND USES THEREOF

## (57) Abstract:

Disclosed are monoclonal antibodies that specifically bind to the B7 family member B7H6, including antibodies capable of inhibiting the interaction of B7H6 with NKp30. Also disclosed are anti-B7H6 antibody-drug conjugates comprising an anti-B7H6 monoclonal antibody conjugated to a therapeutic agent. The anti-B7H6 antibodies and antibody-drug conjugates are useful in methods for exerting therapeutic effects against B7H6-expressing cells, as well as in diagnostic methods for the detection of B7H6 or B7H6-expressing cells.

No. of Pages: 87 No. of Claims: 47

(22) Date of filing of Application :05/11/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLING MOLTEN SALT TEMPERATURE

<ul> <li>(51) International classification</li> <li>(31) 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>		(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant: BROWN BOVERI STRASSE 7, 5400  BADEN, SWITZERLAND Switzerland (72)Name of Inventor:  1)JOSHI, ABHINAYA
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)MCCOMBE, JAMES A. 3)YANG, SHIZHONG
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The molten salt solar tower system 100 is provided for controlling molten salt temperature in a solar rekeiver 130 for effective operation of the system 100 while without degrading physical of molten salt. The system 100 includes two circuits, first 140 and second 150. The first circuit 140 is configured to supply relatively cold molten salt in the solar receiver 130 for heating, and the second circuit I50 is configured to supply a predetermined amount of the relatively cold molten salt in the fist circuit 140, as and when the temperature of the relatively hot molten salt circulating through the solar receiver 1 30 exceeds a predetermined set temperature value thereof. Fig, 2

No. of Pages: 18 No. of Claims: 8

(21) Application No.3296/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention : ATTACHMENT STRUCTURE FOR ATTACHING ATTACHMENT COMPONENT OF INSTRUMENT PANEL

(51) International classification	·B62D25/14	(71)Name of Applicant :
(31) Priority Document No	:2013- 239650	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:20/11/2013	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ISHIKAWA, Akinori
Filing Date	:NA	
(87) International Publication 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 attachment component 11 is provided with first lock portions 14 and a second lock portion 42, and an instrument panel body 2 is provided with first lock counterpart portions 31 and a second lock counterpart portion 32. The first lock portions 14 are locked on the respective first lock counterpart portions 31 and the second lock portion 42 is engaged with the second lock counterpart portion 32. A locking manipulation direction A in which the first lock portions 14 are locked on the first lock counterpart portions 31 is approximately perpendicular to a locking manipulation direction B in which the second lock portion 42 is engaged with the second lock counterpart portion 32. A detachment direction in which the attachment component 11 is detached from the instrument panel body 2 is approximately perpendicular to the locking manipulation direction B in which the second lock portion 42 is engaged with the second lock counterpart portion 32.

No. of Pages: 39 No. of Claims: 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3298/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/11/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: POLYESTER COMPOSITIONS

(51) International classification	:C08G77/445	(71)Name of Applicant :
(31) Priority Document No	:13194640.2	1)LANXESS DEUTSCHLAND GMBH
(32) Priority Date	:27/11/2013	Address of Applicant :Kennedyplatz 1, D-50569 Koeln,
(33) Name of priority country	:EUROPEAN	Germany, Germany
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)TIMO IMMEL
Filing Date	:NA	2)JOCHEN ENDTNER
(87) International Publication No	: NA	3)MATTHIAS BIENMUELLER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

THE INVENTION RELATES TO COMPOSITIONS, ESPECIALLY THERMOPLASTIC MOULDING COMPOSITIONS, COMPRISING POLYETHYLENE TEREPHTHALATE (PET), POLY(L,4-CYCLOHEXANEDIMETHANOL 5 TEREPHTHALATE) (PCT), GLASS FIBRES AND TALC, TO THE USE OF THESE COMPOSITIONS IN THE FORM OF MOULDING COMPOSITIONS FOR PRODUCTION OF PRODUCTS RESISTANT TO HEAT DISTORTION FOR SHORT PERIODS, AND TO A PROCESS FOR PRODUCING POLYESTER-BASED PRODUCTS RESISTANT TO HEAT DISTORTION FOR SHORT PERIODS, PREFERABLY POLYESTER-BASED ELECTRIC OR ELECTRONIC PRODUCTS, ESPECIALLY POLYESTER-BASED OPTOELECTRONIC PRODUCTS.

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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: WET TYPE MULTI-PLATE FRICTION CLUTCH

(51) International classification (31) Priority Document No	:F16D 13/62 :2009-286432	(71)Name of Applicant:  1)KABUSHIKI KAISHA F.C.C.
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:17/12/2009 :Japan :PCT/JP2010/072164	Address of Applicant:7000-36, NAKAGAWA, HOSOE-CHO, KITA-KU, HAMAMATSU-SHI, SHIZUOKA 4311304,
Filing Date (87) International Publication No	:09/12/2010 :WO 20101/074481	(72)Name of Inventor :   1)JUN TOKUMASU
(61) Patent of Addition to Application Number	:NA	2)SHOUHEI TOMINAGA
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A clutch which can realize further reduction of drag torque, a method for reducing the drag torque of the clutch, and a clutch friction plate used in the clutch are provided. In a clutch 100, clutch plates 103 and clutch friction plates 110, both of which are flat and annular, are alternatingly arranged, and clutch oil is supplied to spaces between the clutch plates 103 and the clutch friction plate 110. Each clutch friction plate 100 has small-groove groups 113 and fan-shaped grooves 114 formed on a surface of a metal core 111, which is flat and annular. Each small-groove group 113 includes a plurality of small grooves 113a which are parallel to one another and extend from the inner peripheral side to the outer peripheral side of the metal core 111. Each fan-shaped groove 114 is formed adjacent to the corresponding small-groove group 113 such that its width increases from the inner peripheral side toward the outer peripheral side of the metal core 111. When the clutch friction plates 110 rotate, the clutch 100 leads the clutch oil present at the inner peripheral side of the metal core 111 to the outer peripheral side of the metal core groups 113 and the fan-shaped grooves 114.

No. of Pages: 47 No. of Claims: 9

(21) Application No.1347/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 25/09/2015

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

(31) Priority Document No :2011- 188860	(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)AKIMOTO MASAHIRO 2)OKA MASAKI
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#### (57) Abstract:

A spinning sensor (52) detects a tension of a spun yarn (10) travelling between a spinning device and a winding device. The spinning sensor (52) includes a yarn guide (60) making contact with the travelling spun yarn 10, and a strain sensor to output a signal according to a force applied to the yarn guide 60. The yarn guide 60 has a substantially arcuate cross-sectional contour at a cross section perpendicular to an axial line (64) at least at a portion making contact with the spun yarn (10). A direction parallel to a yarn path of the spun yarn (10) located upstream of the yarn guide (60) is a Y-axial direction. A direction parallel to an axial direction of a draft roller is an X-axial direction. A direction perpendicular to the Y-axial and the X-axial directions is a Z-axial direction. When viewed in the Z-axial direction, an axial line (64) of the yarn guide (60) is inclined with respect to the Y-axial direction.

No. of Pages: 45 No. of Claims: 17

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CYSTEINE PROTEASE INHIBITORS

## (57) Abstract:

Compounds of the formula (I) wherein R1a is H; and R1b is C1-C6alkyl, Carbocyclyl or Het; or R1a and R1b together define a saturated cyclic amine with 3-6 ring atoms; R2a and R2b are independently H, halo, C1-C4alkyl, C1-C4haloalkyl or C1-C4alkoxy, or R2a and R2b together with the carbon atom to which they are attached form a C3-C6cycloalkyl; R3 is a branched C5-C10 alkyl chain, C2-C4haloalkyl or -CH2C3-C7 cycloalkyl; R4 is C1-C6alkyl, C1-C6haloalkyl, C1-C6alkylamino or C1-C6dialkylamino; for use in the prophylaxis or treatment of a disorder characterised by inappropriate expression or activation of cathepsin S.

No. of Pages: 63 No. of Claims: 19

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FURNACE FOR CONDITIONING PREFORMS

(51) International classification	:B29C 49/68	(71)Name of Applicant:
(31) Priority Document No	:10 2009 047 541.9	1)KRONES AG
(32) Priority Date	:04/12/2009	Address of Applicant :BOHMERWALDSTRASSE 5, 93073
(33) Name of priority country	:Germany	NEUTRAUBLING GERMANY (DE) Germany
(86) International Application No	:PCT/EP2010/006422	(72)Name of Inventor:
Filing Date	:20/10/2010	1)WINZINGER, FRANK
(87) International Publication No	:WO 2011/066886	2)HOLZER, CHRISTIAN
(61) Patent of Addition to Application	:NA	3)SCHONBERGER, WOLFGANG
Number	:NA	4)SENN, KONRAD
Filing Date	.IVA	5)WUTZ, ANDREAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a rotary-type furnace for conditioning preforms, in particular for the stretch blow moulding of plastic containers, said furnace comprising a heating wheel on which a plurality of heating modules, each for heating one preform, are arranged. Reproducible heating of said preforms by the regulation of the individual heating modules is guaranteed by the provision of a temperature measuring device for measuring at least one temperature of the preform and / or of the heating chamber, on the heating modules, and by the fact that the furnace additionally comprises a control device for actuating the heating modules on the basis of the temperatures that have been measured.

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

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : IMIDAZO [1,2-A] PYRIDINE COMPOUNDS, SYNTHESIS THEREOF, AND METHODS OF USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C07D 471/04 :61/258,549 :05/11/2009 :U.S.A. :PCT/US2010/055728 :05/11/2010 :WO 2011/057145 :NA	(71)Name of Applicant:  1)UNIVERSITY OF NOTRE DAME DU LAC Address of Applicant:940 GRACE HALL, NOTRE DAME, IN 46556 UNITED STATES OF AMERICA (US) U.S.A.  2)DOW AGROSCIENCES LLC (72)Name of Inventor: 1)MILLER, MARVIN, J. 2)MORASKI, GARRETT, C. 3)MARKLEY, LOWELL, D. 4)DAVIS, GEORGE, E.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Embodiments relate to the field of chemistry and biochemistry, and, more specifically, to imidazopyridine compounds, synthesis thereof, and methods of using same. Disclosed herein are various imidazo[1,2-a]pyridine compounds and methods of using the novel compounds to treat or prevent tuberculosis in a subject or to inhibit fungal growth on plant species. Other embodiments include methods of synthesizing imidazo[1,2-ijpyridine compounds, such as the disclosed imidazo[1,2-a]pyridine compounds.

No. of Pages: 106 No. of Claims: 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4918/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HATCHING FLUID ENZYMES 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> </ul>	:A61K 8/64 :0921001.4 :30/11/2009 :U.K. :PCT/EP2010/068509 :30/11/2010 :WO 2011/064384 :NA :NA	(71)Name of Applicant:  1)AQUA BIO TECHNOLOGY ASA Address of Applicant: THORM HLENSGATE 55, N-5008 BERGEN, NORWAY Norway (72)Name of Inventor: 1)LEREN, HANS KRISTIAN 2)WALTHER, BERNT
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to various polypeptides from fish hatching fluid, their encoding nucleic acid sequences, pharmaceutical compositions comprising said polypeptides and nucleic acid molecules and their use in various medical and cosmetic applications to the skin, particularly for moisturizing skin and/or for exfoliation of the horny layer of the skin for treating or preventing skin disorders or conditions in an animal.

No. of Pages: 76 No. of Claims: 21

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

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

(51) I	COCE 1/10	
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2011-	1)SONY CORPORATION
(31) Thomas Bocument No	127447	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:07/06/2011	TOKYO, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKURO NODA
Filing Date	:NA	2)KAZUYUKI YAMAMOTO
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

There is provided an information processing apparatus including a detecting unit that detects a pinch operation of a user, and a control unit that determines a stereoscopic object as an object to be selected, when a pinch position by the detected pinch operation corresponds to a perceived position of the stereoscopic object by the user.

No. of Pages: 43 No. of Claims: 18

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DEVICE FOR CONTROLLING LIGHT-EMITTING DIODES WITH VERY HIGH LUMINANCE RANGE FOR VIEWING SCREEN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H05B33/0845 :1101681 :01/06/2011 :France :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)THALES  Address of Applicant: 45 RUE DE VILLIERS, 92200  NEUILLY-SUR-SEINE, FRANCE France (72)Name of Inventor:  1)GUY SCHOU  2)FREDERIC RENAUD
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#### (57) Abstract:

The general field of the invention is that of devices for controlling luminance of lighting devices comprising light-emitting diodes. The control device (10) is driven by a cyclic input signal (SPWM) of determined period, each period comprising an activation time (TA) representative of a determined luminance level. The control device comprises analogue electronic means (11) generating a second control signal (SA-A) for the intensity of the electric current passing through the light-emitting diodes, the amplitude of the second control signal being an increasing function of the activation time in such a way that the combination of the cyclic input signal and of the second signal applied to the light-emitting diodes gives a greater luminance range than the range of the cyclic input signal.

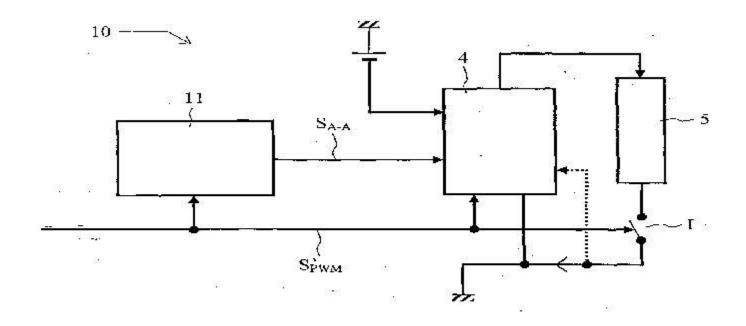


FIG. 2

No. of Pages: 17 No. of Claims: 4

(22) Date of filing of Application :05/11/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A METHOD AND A SYSTEM FOR MONITORING THE OPERABILITY OF A BALISE

(51) X	D (11 07/00	
(51) International classification	:B61L27/00	(71)Name of Applicant:
(31) Priority Document No	:13 193 300.4	1)Bombardier Transportation GmbH
(32) Priority Date	:18/11/2013	Address of Applicant :Schneberger Ufer 1 10785 Berlin
(22) Name of priority country	:EUROPEAN	Germany Germany
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)JONSSON, Lars
Filing Date	:NA	2)RANTA-ESKOLA, Harri
(87) International Publication No	: NA	3)T,,NG, Fredrik
(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 monitoring the operability of a balise (2) for transmitting information to a rail vehicle (7), wherein a telepowering signal (10) emitted by the rail vehicle (7) is received by the balise (2), wherein a telegram switch inhibit signal (RS) is generated by the balise (2) and transmitted to a balise-related control unit (3) upon reception of the tele-powering signal (10), wherein the operability of the balise (2) is monitored depending on the telegram switch inhibit signal (RS). (Fig. 1)

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

(22) Date of filing of Application :05/06/2012

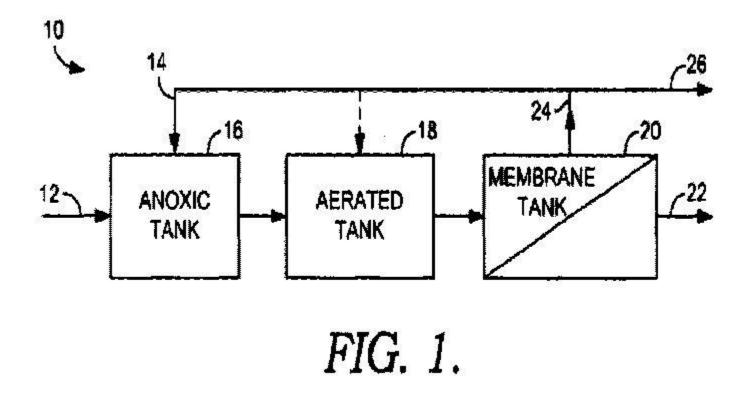
(43) Publication Date: 25/09/2015

# (54) Title of the invention: SIMULTANOUS ANOXIC BIOLOGICAL PHOSPHORUS AND NITROGEN REMOVAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C02F 3/30 :12/886,321 :20/09/2010 :U.S.A. :PCT/US2011/050655 :07/09/2011 :WO 2012/039931 :NA :NA :NA	(71)Name of Applicant:  1)AMERICAN WATER WORKS COMPANY, INC. Address of Applicant: 1025 LAUREL OAK ROAD, VOORHEES, NJ 08043-3506, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)GIRALDO, EUGENIO 2)LIU, YANJIN 3)MUTHUKRISHNAN, SWARNA
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### (57) Abstract:

Methods and systems are provided for treating wastewater to simultaneously remove nitrogen, carbon, and phosphorus. The process includes an anoxic tank that receives at least two streams, including plant influent wastewater and return activated sludge. These streams are mixed in the anoxic tank to promote phosphorus release and fermentation of particulate and dissolved organic matter. The mixed liquor is transferred to an aerated tank having low dissolved oxygen concentrations to promote development of phosphorus-release bacteria that is eventually recycled to the anoxic tank by way of the return activated sludge. Simultaneous nitrification, denitrification, and phosphorus release occur in the aerated tank. A membrane tank separates treated effluent from activated sludge in a membrane tank.



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

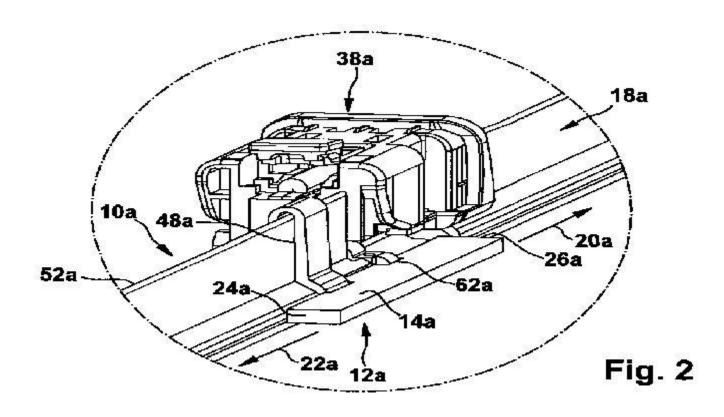
(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: WIPER BLADE UNIT.

(51) International classification	:B60S 1/38	(71)Name of Applicant:
(31) Priority Document No	:10 2010 002 162.8	1)ROBERT BOSCH GMBH
(32) Priority Date	:19/02/2010	Address of Applicant :POSTFACH 30 02 20, 70442
(33) Name of priority country	:Germany	STUTTGART, GERMANY Germany
(86) International Application No	:PCT/EP2010/070759	(72)Name of Inventor:
Filing Date	:27/12/2010	1)URBANEK, LOTHAR
(87) International Publication No	:WO 2011/101062	2)STROOMANTS, NATHALIE
(61) Patent of Addition to Application	:NA	3)TUYLS, GUIDO
Number	:NA	4)VERTONGEN, ROBERT
Filing Date	.IVA	5)CAMPS, JOHAN
(62) Divisional to Application Number	:NA	6)BRATEC, HERVE
Filing Date	:NA	

## (57) Abstract:

Describer herein is a wiper blade unit, particularly for a joint-free wiper blade (10a, 10b), comprising a liquid guiding body (12a, 12b) having at least one liquid guiding bridge (14a, 14b) which, when in an operating state, is disposed on a side (18a, 18b) facing away from a wiper blade main flow side (16a, 16b).



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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: LIQUID SURFACE SENSING 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>	:G01F 23/38 :2009-278376 :08/12/2009 :Japan :PCT/JP2010/069981 :10/11/2010 :WO 2011/070885 :NA :NA	(71)Name of Applicant:  1)NIPPON SEIKI CO., LTD.  Address of Applicant: 2-34, HIGASHI-ZAOH 2-CHOME, NAGAOKA-SHI, NIIGATA 940-8580, JAPAN Japan (72)Name of Inventor:  1)HISAHITO ICHISAWA
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

A liquid surface sensing device in which the manufacturing cost thereof is reduced by reducing the amount of a rubber material for preventing liquid from entering the periphery of a magnetoelectric device and by reducing the number of processes for disposing the rubber material, and in which the liquid is prevented from entering the periphery of the magnetoelectric device. A liquid surface sensing device 1 comprises: a float arm 3 having a float 2 which follows the surface 15a of liquid 15 contained within a tank 14; a magnet 5 moves with the float arm 3; a magnetoelectric device 6 for sensing a change of magnetism of the magnet 5; and an electrically connecting member 11 electrically connected to the magnetoelectric device 6. The liquid surface sensing device 1 further comprises a first case body 8 which covers the magnetoelectric device 6 and a part of the electrically connecting member 11, and a second case body 9 which covers the first case body 8 such that a part of the electrically connecting member 11 is exposed outwardly of the tank 14.

No. of Pages: 15 No. of Claims: 4

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HIGH-THROUGHPUT METHODS AND SYSTEMS FOR PROCESSING BIOLOGICAL MATERIALS

(51) International classification	:B01L 3/00	(71)Name of Applicant :
(31) Priority Document No	:12/639,479	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:16/12/2009	Address of Applicant :ONE RIVER ROAD,
(33) Name of priority country	:U.S.A.	SCHENECTADY, NEW YORK 12345, UNITED STATES OF
(86) International Application No	:PCT/EP2010/069711	AMERICA U.S.A.
Filing Date	:15/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/080072	1)WESTON BLAINE GRIFFIN
(61) Patent of Addition to Application	:NA	2)JAYDEEP ROY
Number	:NA	3)PHILIP ALEXANDER SHOEMAKER
Filing Date	.IVA	4)WILLIAM PATRICK WATERS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A high-throughput system for processing biological material that comprises: a tray that supports a functionally-closed fluid path subsystem comprising, a vessel for containing and enabling the biological material to separate into two or more distinct submaterials; one or more receptacles to receive one or more of the submaterials from the vessel; a filtration device; a conduit through which one or more submaterials are transported between at least the vessel and the filtration device; and a first engagement structure; a processing unit comprising, a pumping device for moving one or more of the submaterials between at least the vessel and the filtration device via the conduit; a second engagement structure corresponding to the first engagement structure; a locking mechanism for at least temporarily holding the tray in a fixed position relative to the processing unit; a control device that automatically starts and stops the pumping device in response to one or more commands.

No. of Pages: 42 No. of Claims: 45

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD FOR DYEING A PLASTIC SUBSTRATE OF HIGH REFRACTIVE INDEX AND SUBSTRATE OBTAINED BY THIS MEHTOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:09306083.8 :10/11/2009 :EPO	(71)Name of Applicant:  1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE) Address of Applicant:147 RUE DE PARIS F-94220 CHARENTON-LE-PONT, FRANCE France (72)Name of Inventor: 1)YU LIU
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	2)LIXIN SONG 3)YAW CHUAN LIM 4)LIKUI WANG

#### (57) Abstract:

Method for dyeing a substrate prepared by curing a polymerizable composition comprising one monomer containing one episulfide group, said method comprising: -providing a dye solution comprising a dye and a carrier in a solvent, the carrier being chosen from the compounds represented by the following formulae (1) and (2): formula (1): wherein R1, R2, R3 and R4 are each selected from the group consisting of alkyl having from 1 to 10 carbon atom, H, -CH2SH, -CH2SCH2CH2SH, Formula (III), Formula (IV); formula (2): (HSCH2)4-mC(CH2SCH2CH2SH)m (2) wherein m denotes an integer from 1 to 3; And -at least partially immersing the substrate in the dye solution for a time sufficient to allow the effective tinting of the substrate.

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MODULAR COMPACT ADSORPTION BED

(51) International classification	:B01D 53/04	(71)Name of Applicant:
(31) Priority Document No	:12/646,183	1)PRAXAIR TECHNOLOGY, INC.
(32) Priority Date	:23/12/2009	Address of Applicant :39 OLD RIDGEBURY ROAD,
(33) Name of priority country	:U.S.A.	DANBURY, CONNECTICUT 06810, UNITED STATES OF
(86) International Application No	:PCT/US2010/055601	AMERICA U.S.A.
Filing Date	:05/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/087555	1)ASHWIN DESAI
(61) Patent of Addition to Application	:NA	2)CEM E. CELIK
Number	:NA	3)MARK WILLIAM ACKLEY
Filing Date	.11/1	4)JAMES SMOLAREK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A modular and compact adsorbent bed structure is disclosed for use in an adsorption-based gas separation plant. The conventional adsorbent bed in a gas separation plant is replaced with a plurality of modular adsorbent bed units connected to make the adsorbent bed structure. The modular design requires lower fabrication and maintenance costs; is easier to transport; and is easier to load with adsorbent material.

No. of Pages: 24 No. of Claims: 19

(22) Date of filing of Application :02/06/2010 (43) Publication Date : 25/09/2015

# (54) Title of the invention : GREENER CATALYTIC PROCESS FOR THE SYNTHESIS OF $\alpha$ - $\alpha$ ' DIBENZILIDENECYCLOHEXANONE BY LOW COST FLY ASH KOTA STONE SLURRY CATALYST

(51) International classification	·C07C60/80	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MRS.ASHU RANI,
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF PURE AND
(33) Name of priority country	:NA	ALLIED CHEMISTRY, UNIVERSITY OF KOTA, KOTA-
(86) International Application No	:NA	324009, KOTA RAJASTHAN. Rajasthan India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)MRS.ASHU RANI,
(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 novel route of synthesis of solid base catalyst from fly ash and Kota stone slurry waste and a single step synthetic process for  $-\alpha$ - $\alpha$ -dibenzylidenecyclohexanone through condensation of benzaldehyde and cyclohexanone, the preparation of catalyst and the catalytic process comprises of, Mechanical activation of fly ash by ball milling; Thermal activation of fly ash by calcining at 900°C temperature; Mixing of Kota stone slurry in activated fly ash and refluxing the paste for 24h at 110°C under constant stirring; Separation of solid mixture from 3refluxing unit and drying at 110°C for 24h followed by calcinations at temperature 550°C for 2h under static conditions; Reacting benzaldehyde with cyclohexanone in presence of low cost KFC catalyst in solvent free medium, maintaining the substrate to catalyst weight ratio of 10; Maintaining the temperature of the reaction in the range of 90-120°C at atmospheric pressure for a period selected from 30-120 minutes; Separating the solid catalyst from the reaction mixture by filtration method; Washing the catalyst with acetone to remove adhering materials; Drying the catalyst at 110°C for 24h followed by calcinations at 550°C for a period of 2h under static conditions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1689/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COAXIAL PIR AND LIGHT SENSOR

(51) International classification	:G0115/0025	(71)Name of Applicant:
(31) Priority Document No	:2011902278	1
· · ·		
(32) Priority Date	:09/06/2011	Address of Applicant :101 PORT WAKEFIELD ROAD,
(33) Name of priority country	:Australia	CAVAN SA 5094, AUSTRALIA Australia
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GERARD, JASON
(87) International Publication No	: NA	2)MICKO, ERIC
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A sensor comprising a PIR (passive infrared) sensor and a visible light sensor wherein the PIR sensor and the light sensor are coaxially aligned. The field of view of the PIR sensor and the field of view of the light sensor are coincident. The light lens is of a toroidal shape and the PIR sensor is located at the centre of the light lens.

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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: TYRE THE CROWN OF WHICH HAS A STIFFENING 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:0958929 :14/12/2009 :France	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 COURS SABLON, 63000 CLERMONT-FERRAND, FRANCE France 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor: 1)SEBASTIEN FUGIER
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#### (57) Abstract:

Tyre (10) comprising a tread (40) divided, by the median plane (130) of the tyre, into a first semi-tread (41) which extends axially from said median plane toward a first axial edge (45) of the tread, the first semi-tread comprising a first main circumferential groove (141) opening onto the rolling surface, and a second semi-tread (42) which extends axially from said median plane toward a second axial edge (46) of the tread, the tyre further comprising an additional stiffening reinforcement (151) comprising a plurality of substantially radially directed thread-like reinforcing elements, this additional stiffening reinforcement being situated radially on the inside of the carcass reinforcement and in direct radial alignment with said first main circumferential groove, the additional stiffening reinforcement (151) extending axially on each side of the first main circumferential groove (141) over an axial distance less than or equal to 75% of the axial distance separating the first main circumferential groove (141) from any other circumferential groove of the tread or, as appropriate, from the axial edges (45, 46) of the tread.

No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BANKNOTE DEPOSIT 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> </ul>	:G07D 11/00 :2009-254194 :05/11/2009 :Japan :PCT/JP2010/069675 :05/11/2010 :WO 2011//055777	(71)Name of Applicant:  1)GLORY LTD.  Address of Applicant: 3-1, SHIMOTENO 1-CHOME, HIMEJI-SHI, HYOGO-KEN, JAPAN Japan (72)Name of Inventor:  1)TORU AKAMATSU  2)MASAKI INOUE
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	3)MASAKAZU SAKATA
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A banknote deposit apparatus includes: a reception unit 25 configured to take in, one by one, a plurality of banknotes; a transport unit 30 configured to transport the banknote having been taken in by the reception unit 25; a stacking unit 60 configured to stack the banknote having been transported by the transport unit 30; a recognition unit 40 disposed on the transport unit 30, the recognition unit 40 being configured to recognize and count the banknote being transported by the transport unit 30; a storing box 70 configured to receive the banknote stacked in the stacking unit 60 so as to store the banknote; and a clamping and transporting mechanism 10 configured to clamp surfaces of the banknote stacked in the stacking unit 60 and to transport the banknote to a direction parallel to the surfaces of the clamped banknote so as to store the banknote in the storing box. A front opening 61 through which the stacked banknote is taken out from outside, and a front shutter unit 62 configured to open and close the front opening are disposed on a front surface of the stacking unit 60.

No. of Pages: 116 No. of Claims: 7

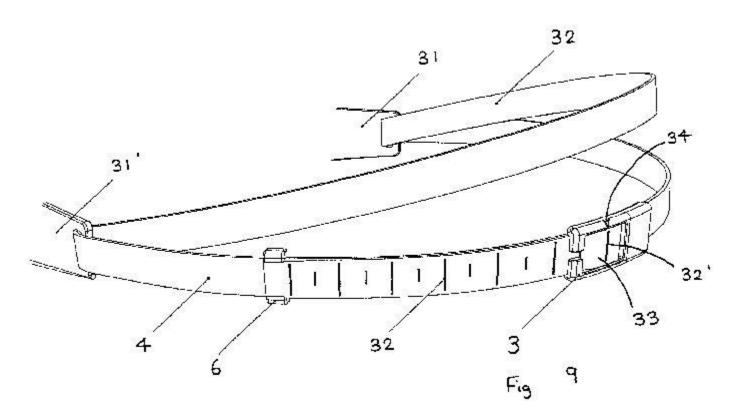
(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: STRAP

(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	:A45F5/00 :1109402.6 :03/06/2011 :U.K. :NA
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#### (57) Abstract:

The present invention provides a strap for securing a garment/article (e.g. swimming goggles) to a wearers/users body. The strap comprises a first portion comprising a tensioner end including a tensioner having an attachment portion. The attachment portion is for attachment to the tensioner end. The strap further comprises a second portion having indicia provided along at least a part of its length. In use, the second portion passes through the tensioner and the tensioner frame defines a window in which at least one of the indicia on the second portion is visible.



No. of Pages: 29 No. of Claims: 24

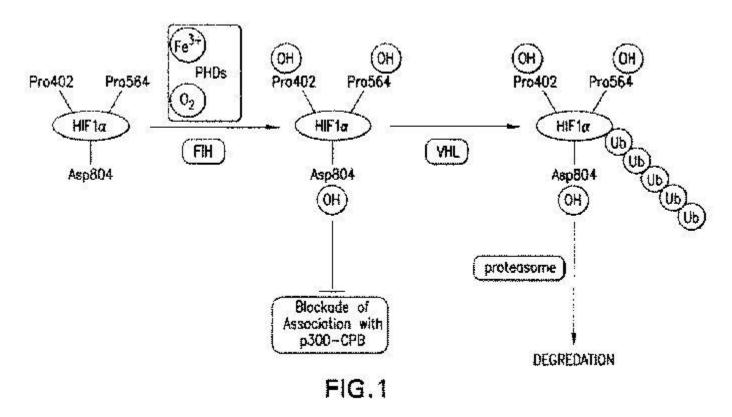
(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PROLYL HYDROXYLASE INHIBITORS

(51) International classification	:A61K 31/497	(71)Name of Applicant:
(31) Priority Document No	:61/258,914	1)AERPIO THERAPEUTICS INC.
(32) Priority Date	:06/11/2009	Address of Applicant :9987 CARVER ROAD, SUITE 420,
(33) Name of priority country	:U.S.A.	CINCINNATI, OHIO 45242, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/055694	(72)Name of Inventor:
Filing Date	:05/11/2010	1)GARDNER, JOSEPH, H.
(87) International Publication No	:WO 2011/057115	2)SHALWITZ, ROBERT
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein are prolyl hydroxylase inhibitors that can stabilize hypoxia inducible factor-1 alpha (HIF- $1\alpha$ ), as well as hypoxia inducible factor-2 (HIF-2). Also disclosed herein are pharmaceutical compositions comprising one or more of the disclosed compounds. Yet further disclosed are methods for stimulating the cellular immune response in a mammal such as increasing phagocytosis, for example, prolonging the life of phagocytes, inter alia, kerotyiocytes, neutrophils. As such the disclosed compounds provide methods for treating diseases that relate to the bodys immune response.



No. of Pages: 143 No. of Claims: 40

(21) Application No.4941/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CARNITINE GRANULATE AND METHODS FOR ITS PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A23K 1/16 :09015339.6 :11/12/2009 :EPO :PCT/EP2010/007479 :09/12/2010 :WO 2011/069654 :NA :NA	(71)Name of Applicant: 1)LONZA LTD. Address of Applicant:LONZASTRASSE 3930 VISP (CH) Switzerland (72)Name of Inventor: 1)BUCHNER, THOMAS
•	:NA :NA	

#### (57) Abstract:

Subject of the invention is a method for the production of a carnitine granulate, comprising the steps of (a) providing an aqueous solution comprising at least 65% (w/w) carnitine, (b) providing a particulate carrier comprising silica, the carrier having an average particle size of more than 150  $\mu$ m, and (c) mixing the aqueous solution and the carrier. Another subject of the invention is a carnitine granulate.

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

(22) Date of filing of Application :05/06/2012

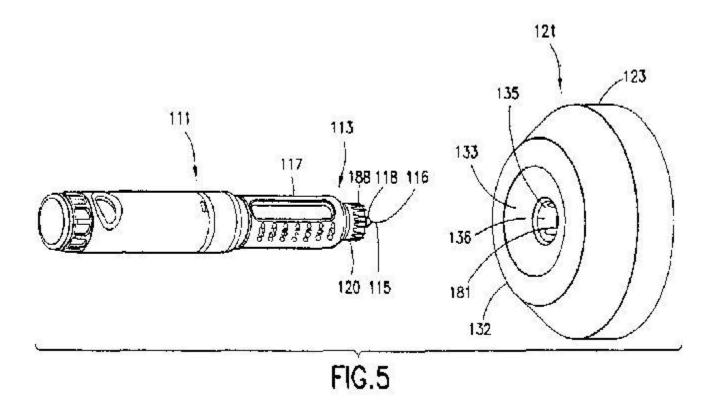
(43) Publication Date: 25/09/2015

## (54) Title of the invention: PEN NEEDLE REMOVAL DEVICE FOR A DRUG DELIVERY DEVICE

(51) International classification	:A61M 5/178	(71)Name of Applicant:
(31) Priority Document No	:61/266,623	1)BECTON, DICKINSON AND COMPANY
(32) Priority Date	:04/12/2009	Address of Applicant :1 BECTON DRIVE FRANKLIN
(33) Name of priority country	:U.S.A.	LAKES NEW JERSEY 07417-1880 UNITED STATES OF
(86) International Application No	:PCT/US2010/003086	AMERICA U.S.A.
Filing Date	:03/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/068543	1)CRONENBERG, RICHARD
<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	
Filing Date	:NA	

### (57) Abstract:

A removal device (121, 221) for removing and disposing of a pen needle (113, 213) connectable to a drug delivery device (111, 211) includes a body (123, 223) having a cavity (141, 241) for receiving the pen needle of the drug delivery device such that a patient end (116, 216) of a needle (115, 215) of the pen needle is covered by the body. An ejector (151, 251) is movably connected to the body (123, 223) for engaging the received pen needle (113, 213) and selectively ejecting the engaged pen needle from the body. The pen needle (113, 213) is securely retained within the removal device (121, 221) without exposing the needle (115, 215) of the pen needle until the pen needle (113, 213) can be properly disposed of, such as in a sharps container, thereby substantially preventing an accidental needle stick.



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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SIMULTANEOUS ANOXIC BIOLOGICAL PHOSPHORUS AND NITROGEN REMOVAL WITH ENERGY 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>	:C02F 3/30 :12/886,321 :20/09/2010 :U.S.A. :PCT/US2011/050832 :08/09/2011 :WO 2012/039952 :NA :NA	(71)Name of Applicant:  1)AMERICAN WATER WORKS COMPANY, INC. Address of Applicant:1025 LAUREL OAK ROAD, VOORHEES, NJ 08043-3506, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)GIRALDO, EUGENIO
Filing Date	:NA	

#### (57) Abstract:

Methods and systems are provided for treating wastewater to simultaneously remove nitrogen, carbon, and phosphorus, while recovering energy in the form of methane and carbon dioxide. An ammonia-containing stream is directed to a pretreatment tank that produces excess sludge, biogas, and a pretreated stream. The pretreated stream has at least 45% less carbon than the ammonia-containing stream. The pretreated stream is then directed to an anoxic tank, which promotes phosphorus release and fermentation of particulate and dissolved organic matter. The mixed liquor is transferred to an aerated tank having low dissolved oxygen concentrations to promote development of phosphorus-release bacteria that is eventually recycled to the anoxic tank by way of the return activated sludge. Simultaneous nitrification, denitrification, and phosphorus release occur in the aerated tank. A membrane tank separates treated effluent from activated sludge in a membrane tank.

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

(21) Application No.3318/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/11/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: X-RAY IMAGING APPARATUS AND METHOD OF CONTROLLING THE SAME

(51) International classification	:A61B6/00	(71)Name of Applicant:
(21) Priority Dogument No.	:10-2013-	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	0140963	Address of Applicant :129 Samsung-ro, Yeongtong-gu,
(32) Priority Date	:19/11/2013	Suwon-si, Gyeonggi-do, Republic of Korea. Republic of Korea
(22) Name of missity asymptoty	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)Jae Mock YI
(86) International Application No	:NA	2)Dong Goo KANG
Filing Date	:NA	3)Young Hun SUNG
(87) International Publication No	: NA	4)Jae Hak LEE
(61) Patent of Addition to Application Number	:NA	5)Seok Min HAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

AN X-RAY IMAGING APPARATUS AND METHOD ARE PROVIDED. THE X-RAY IMAGING APPARATUS ACCORDING TO AN ASPECT INCLUDES AN X-RAY SOURCE CONFIGURED TO RADIATE X-RAYS ONTO A SUBJECT REGION, AN X-RAY DETECTOR CONFIGURED TO DETECT THE RADIATED X-RAYS AND OBTAIN A PLURALITY OF FRAME IMAGES OF THE SUBJECT REGION, AND AN ROI FILTER LOCATED BETWEEN THE X-RAY SOURCE AND THE X-RAY DETECTOR, CONFIGURED TO MOVE TOWARD THE X-RAY SOURCE AND THE X-RAY DETECTOR, AND CONFIGURED TO FILTER THE X-RAYS RADIATED FROM THE X-RAY SOURCE.

No. of Pages: 68 No. of Claims: 21

(21) Application No.4950/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COMPOSITIONS AND METHODS FOR TREATING COLITIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A01N 43/42 :61/258,914 :06/11/2009 :U.S.A. :PCT/US2010/055704 :05/11/2010 :WO 2011/057121 :NA :NA	(71)Name of Applicant:  1)AERPIO THERAPEUTICS INC. Address of Applicant:9987 CARVER ROAD, SUITE 420, CINCINNATI, OHIO 45242, U.S.A. U.S.A. (72)Name of Inventor: 1)GARDNER, JOSEPH, H. 2)SHALWITZ, ROBERT
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### (57) Abstract:

Disclosed herein are compositions and methods for treating colitis and other inflammatory bowel diseases, inter alia, indeterminate colitis, Crohns disease, irritable bowel syndrome and ischemic colitis.

No. of Pages: 114 No. of Claims: 43

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD AND DEVICE FOR LOCATING THE INSTALLATION POSITION OF VEHICLE WHEELS IN A MOTOR VEHICLE

(51) International classification	:B60C 23/04	(71)Name of Applicant :
(31) Priority Document No	:10 2009 059 788.3	1)CONTINENTAL AUTOMOTIVE GMBH
(32) Priority Date	:21/12/2009	Address of Applicant :VAHRENWALDER STRAE 9, 30165
(33) Name of priority country	:Germany	HANNOVER, GERMANY Germany
(86) International Application No	:PCT/EP2010/069283	(72)Name of Inventor:
Filing Date	:09/12/2010	1)FINK; ALEXANDER
(87) International Publication No	:WO 2011/085877	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		•

#### (57) Abstract:

The invention relates to a method for locating the installation position of vehicles wheels in a motor vehicle, wherein at least one vehicle wheel comprises a wheel electronics unit, comprising the following steps: determining on the wheel electronics unit portion a first rotational angle position of the vehicle wheel associated with said wheel electronics unit; transmitting a transmission signal with first piece of rotational angle information dependent on the determined first rotational angle position; determining on the vehicle portion second rotational angle positions of the vehicle wheels, and depending thereon, providing second rotational angle information; comparing the first rotational angle information with the second rotational angle information; determining the installation position of the vehicle wheel associated with the wheel electronics unit depending on said comparison. The invention further relates to such a device.

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

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD FOR CONTROLLING A HYBRID VEHICLE DRIVE DEVICE, AND ASSOCIATED DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:0906045 :15/12/2009 :France	(71)Name of Applicant:  1)CONTINENTAL AUTOMOTIVE FRANCE Address of Applicant:1, AVENUE PAUL OURLIAC-31100 TOULOUSE-FRANCE France (72)Name of Inventor: 1)SAINT-MACARY, STEPHANE
<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 method for controlling a motorization device for an hybrid vehicle consists in using alternatively two modes for connecting the wheels to the electric motor and to the internal combustion engine: a parallel mode in which the internal combustion engine drives the wheels directly, without electrical assistance, a series mode in which the electrical motor drives the wheels, with an intermittent use of the internal combustion engine only at its optimal operating point, for the purpose of recharging the battery regularly, the switch from one mode to the other being determined by a step for comparing between the consumption of the internal combustion engine in parallel mode, and the optimal consumption of the internal combustion engine to which are added the losses due to the activation of the electrical chain of the series mode.

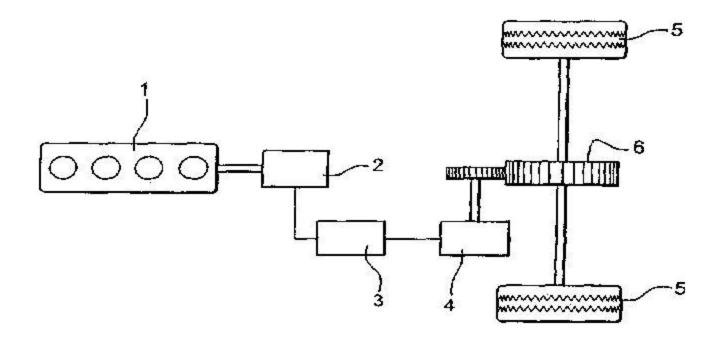


FIG: 1

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

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

## (54) Title of the invention: ALKYLATION METHOD USING IONIC LIQUID AS CATALYST

(51) International classification (31) Priority Document No	:C07C 2/60 :200910244097.X	(71)Name of Applicant:  1)SHELL INTERNATIONALE RESEARCH
(32) Priority Date (33) Name of priority country (86) International Application No		MAATSCHAPPIJ B.V. Address of Applicant :CAREL VAN BYLANDTIAAN 30, NL-2596, THE HAGUE, THE NETHERLANDS, Netherlands
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:27/12/2010 :WO 2011/079516 :NA :NA :NA :NA	(72)Name of Inventor: 1)LIU ZHICHANG 2)XU CHUNMING 3)ZHANG RUI 4)MENG XIANGHAI

#### (57) Abstract:

Disclosed is an alkylation process using ionic liquid as catalyst, which process comprises separating halogenated hydrocarbons-rich fraction from the alkylation product by distillation and/or adsorption and reintroducing the separated fraction into the reaction system during the alkylation reaction, wherein the ionic liquid catalyst used in the alkylation reaction has a cation derived from hydrohalide of alkyl amine, hydrohalide of imidazole or hydrohalide of pyridine and an anion derived from one or more metallic compounds. The inventive process effectively utilizes the halogenated hydrocarbons in the alkylation product, prolongs the life of the ionic liquid catalyst, and reduces the halogen content in the alkylate oil.

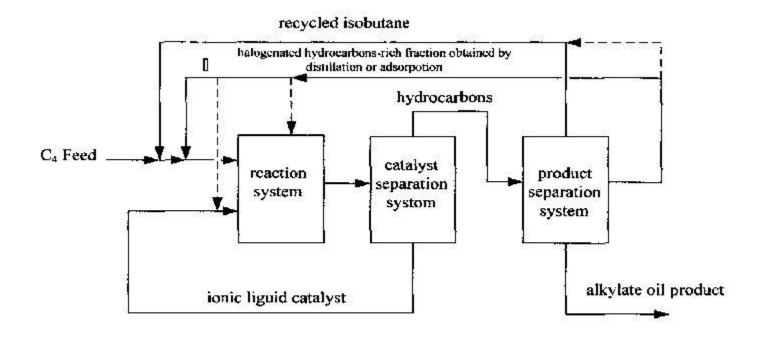


Fig. 1

No. of Pages: 34 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1690/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PIR SENSOR WITH RETRACTABLE CONTROLS

(51) International classification	:G0115/0025	(71)Name of Applicant:
(31) Priority Document No	:2011902287	1
(32) Priority Date	:09/06/2011	Address of Applicant :101 PORT WAKEFIELD ROAD,
(33) Name of priority country	:Australia	CAVAN SA 5094, AUSTRALIA Australia
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NEGRONE, BRYAN
(87) International Publication No	:NA	2)GERARD, JASON
(61) Patent of Addition to Application Number	:NA	3)ZIEGLER, MARK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A PIR (passive infrared) sensor comprising: a first enclosure; and a second enclosure with control actuators on an outer surface and telescopically engaged with the first enclosure; wherein the second enclosure is free to move between a first position in which the controls are obscured by the first enclosure, and a second position in which the controls are not obscured by the first enclosure.

No. of Pages: 14 No. of Claims: 2

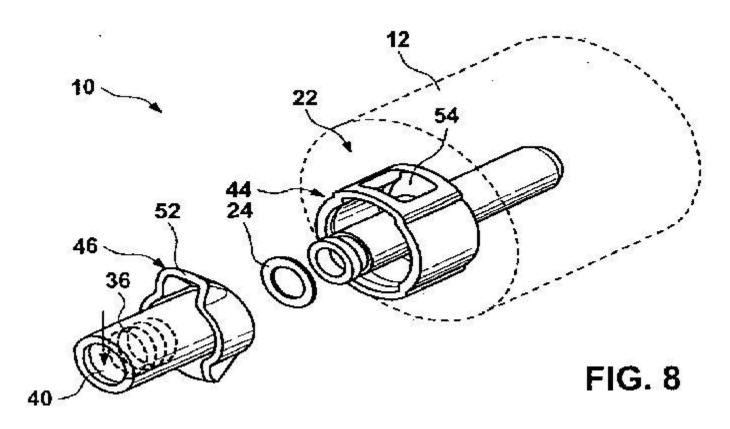
(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FILTER DEVICE HAVING A FILTER HOUSING AND A DRAIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D29/117 :102011081141.9 :17/08/2011 :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)GARCIA VARGAS, MARIA JOSE
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#### (57) Abstract:

Described herein is a filter device (10) comprising a filter housing (12), a filter element (14) disposed in the filter housing (12) for filtering out foreign material and water (18) from a medium (16) flowing through the filter housing (12), and comprising a drain (20) for discharging the filtered water (18) from the filter device (10). The drain (20) is coupled to the filter housing (12) with an engagement connection (44).



No. of Pages: 16 No. of Claims: 8

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: POST-CHARGING OF ZEOLITE DOPED PLASTICS WITH ANTIMICROBIAL METAL IONS

(51) International classification	:A61L 27/14	(71)Name of Applicant:
(31) Priority Document No	:61/264,289	1)DIFUSION TECHNOLOGIES, INC.
(32) Priority Date	:25/11/2009	Address of Applicant :111 COOPERATIVE WAY, SUITE
(33) Name of priority country	:U.S.A.	250, GEORGETWON, TEXAS 78726, USA U.S.A.
(86) International Application No	:PCT/US2010/058009	(72)Name of Inventor:
Filing Date	:24/11/2010	1)JOSEPH J. CRUDDEN
(87) International Publication No	:WO 2011/066391	2)DERRICK JOHNS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods of post-loading ceramic particles with antimicrobial metal cations are disclosed. In certain embodiments, the post-loaded particles are zeolites, wherein the zeolites have been incorporated into a resin and the combination is used as an implantable device. In certain embodiments, the polymer is a thermoplastic polymer such as polyaryletheretherketone (PEEK). In certain embodiments, the source of antimicrobial activity includes ion-exchangeable cations contained in a zeolite. In certain embodiments, disclosed are methods of imparting antimicrobial activity to devices by controlling the delivery of certain cations through ion-exchange via a zeolite incorporated in the device.

No. of Pages: 30 No. of Claims: 13

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : NEW AZABICYCLO[3.1.0]HEX-2YL COMPOUNDS, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

<ul> <li>(51) International classification</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>	:C07D 209/52 :09.05953 :09/12/2009 :France :PCT/FR2010/000823 :08/12/2010	(71)Name of Applicant:  1)LES LABORATOIRES SERVIER  Address of Applicant: 35, RUE DE VERDUN, F-92284  SURESNES CEDEX, FRANCE France (72)Name of Inventor:  1)PATRICK CASARA
<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 2011/070253 :NA :NA :NA :NA	2)ANNE-MARIE CHOLLET 3)ALAIN DHAINAUT 4)JEAN-MICHEL HENLIN 5)PIERRE LESTAGE 6)FANY PANAYI

(57) Abstract:

Compounds of formula: Wherein: ALK represents an alkylene chain, W represents a group wherein R and R¹ are as defined in the description. Medicaments.

No. of Pages: 29 No. of Claims: 24

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHODS FOR MAKIGN A HOLLOW FIBER FILTRATION APPARATUS ENCLOSED BY TWO THERMOPLASTIC 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</li> <li>Number</li> </ul>	:B01D 63/02 :12/635,231 :10/12/2009 :U.S.A. :PCT/EP2010/069127 :08/12/2010 :WO 2011/070046 :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)JAMES MITCHELL WHITE 2)NICHOLE LEA WOOD 3)WESTON BLAINE GRIFFIN 4)RYAN AUSTIN HUTCHINSON
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	5)OWEN SCOTT QUIRION 6)PHILIP ALEXANDER SHOEMAKER 7)ERIC DOUGLAS WILLIAMS

### (57) Abstract:

The invention provides a method of manufacturing a housingless hollow fiber filtration apparatus using batch, continuous, and semi-continuous processes. Also provided is manufacturing methods to increase rigidity of the apparatus.

No. of Pages: 29 No. of Claims: 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4968/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 25/09/2015

## (54) Title of the invention: CLOSURE FOR CONTAINERS OF OPHTHALMIC SOLUTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B65D 47/08 :61/286,937 :16/12/2009 :U.S.A. :PCT/US2010/060395 :15/12/2010 :WO 2011/084445 :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE, INC. Address of Applicant: 7500 CENTURION PARKWAY, JACKSONVILLE, FLORIDA 32256, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)ELYSHA HUNTINGTON 2)RICHARD TANAKA 3)ANTHONY YUMUL
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### (57) Abstract:

The invention closures may be used to house ophthamic lens solutions and methods of using the same.

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

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: RESIN PARTICLES AND PROCESS FOR PRODUCING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F 2/24 :2009-263240 :18/11/2009 :Japan :PCT/JP2010/070429 :17/11/2010 :WO 2011/062173 :NA :NA	(71)Name of Applicant:  1)SOKEN CHEMICAL & ENGINEERING CO., LTD. Address of Applicant: 29-5, TAKADA 3-CHOME, TOSHIMA-KU, TOKYO 1718531, JAPAN Japan (72)Name of Inventor: 1)TOSHIO SEKIYA
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#### (57) Abstract:

It is an object of the present invention to obtain resin particles having a small amount of an inorganic dispersing agent (such as silica) adhering to their surfaces and having uniform particle diameters. [Solution to problem] The resin particles of the present invention are resin particles having an inorganic dispersing agent adhering to their surfaces and having a volume mean particle diameter of ito 1000 pm, and are characterized in that the amount of the inorganic dispersing agent adhering to the resin particle surfaces is in the range of 0.0001 to 0.02 g/m2, said amount being determined by the following equation (I) Amount of inorganic dispersing agent adhering to resin particle surfaces = (amount of inorganic dispersing agent(part(s) by weight) /amount of polymerizable monomer (part(s) by weight))/resin particle specific surface area as measured by (I) (wherein the amount of the inorganic dispersing agent and the amount of the polymerizable monomer in the right-hand member of the equation (I) are each an amount introduced in the production of resin particles, and the amount of the polymerizable monomer is 100 parts by weight).

No. of Pages: 55 No. of Claims: 9

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HANDLING SYSTEM FOR A WEAPON PLACED ON A TURRET

<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>	:F41A 27/22 :TO2009A000976 :11/12/2009 :Italy	(71)Name of Applicant:  1)OTO MELARA SPA  Address of Applicant: VIA VALDILOCCHI, 15, I-19136, LA  SPEZIA, ITALY Italy
<ul><li>(86) International Application No</li><li>Filing Date</li><li>(87) International Publication No</li></ul>	:03/12/2010 :WO 2011/070435	(72)Name of Inventor: 1)CARLO ALBERTO IARDELLA
<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:

A handling system for a weapon (2) placed on a turret, said weapon being provided with a barrel (21) from which the bullets are shot and with a handle (22) through which the operator determines the traverse of the weapon itself. Said weapon is mounted on a circumferential fifth wheel comprising a fixed portion (31) integral with the turret and a movable portion (32) on which the weapon itself is mounted, in order that the movable fifth wheel rotates on the fixed one, pennitting the movement of the weapon along the circumference (C).

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD AND DEVICE FOR DETERMINING THE QUALITY OF THE MEASUREMENT RESULTS OF A SCATTERED LIGHT METER

(#4) ¥	G0437.04.05	
(51) International classification	:G01N 21/27	(71)Name of Applicant :
(31) Priority Document No	:102010002420.1	1)ROBERT BOSCH GMBH
(32) Priority Date	:26/02/2010	Address of Applicant :POSTFACH 30 02 20, 70442
(33) Name of priority country	:Germany	STUTTGART, GERMANY Germany
(86) International Application No	:PCT/EP2011/050031	(72)Name of Inventor:
Filing Date	:03/01/2011	1)STENGEL, KARL
(87) International Publication No	:WO 2011/104039	2)HAAGA, GERHARD
(61) Patent of Addition to Application	:NA	3)NEUENDORF, MICHAEL
Number		4)SIEG, RAYMOND
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

### (57) Abstract:

The present subject matter relates to a method for determining the quality of the measurement results of a scattered light meter (3) for measuring the particle concentration in motor vehicle exhaust gases, which device has at least one scattered light measurement chamber (26), at least one light source (4) and at least one light sensor (6a, 6b), said method comprising the following steps: determining the difference R between two scattered light sensor signals (S1, S2) which have been recorded in a reference state of the scattered light meter; determining the difference (D) between two scattered light sensor signals (M1, M2) which have been recorded in a used state of the scattered light meter; and comparing the difference (D) between the signals recorded in the used state to the reference signal difference (R) between the signals recorded in the reference state.

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DEVICE FOR MEASURING A PARTICLE CONCENTRATION IN MOTOR VEHICLE EXHAUST GASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G01M 15/10 :102010002424.4 :26/02/2010 :Germany :PCT/EP2011/050048 :04/01/2011 :WO 2011/104043 :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)STENGEL, KARL  2)HAAGA, GERHARD  3)NEUENDORF, MICHAEL  4)SIEG, RAYMOND
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#### (57) Abstract:

A device (1, 2, 3) for measuring a particle concentration in motor vehicle exhaust gases comprises a measurement chamber (26), which can be filled with a gas-particle mixture to be measured, at least one light source (4) and at least one light sensor (6a, 6b), wherein the light sensor (6a, 6b) is designed to detect light which is scattered by particles present in the gas-particle mixture, an exhaust gas feeding unit(22) designed to feed exhaust gases to be measured to the measurement chamber (26), a zero gas source (12) to provide a low-particle zero gas, and a switching element (30), which is disposed between the exhaust gase feeding unit(22) and the measurement chamber (26) and is suited for selectively allowing or preventing the feeding of the exhaust gases into the measurement chamber (26).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4976/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: LIMITER 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> <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 2009 057 544.8 :09/12/2009 :Germany	(71)Name of Applicant:  1)EADS DEUTSCHLAND GMBH Address of Applicant: WILLY-MESSERCHMITT-STRAE 1, OTTOBRUNN 85521, GERMANY Germany (72)Name of Inventor: 1)REBER, ROLF 2)SCHUH, PATRICK
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#### (57) Abstract:

The invention relates to a limiting circuit having a signal input (El) and a signal output (A) for limiting an output signal that is present at the signal output (A) and that can be fed to a further circuit (SCH) connected to the output of the limiting circuit, wherein a voltage connection (E2) for feeding a bias voltage (U) and a transistor (T) are present, wherein the gate connection (G) of the transistor (T) is connected to the voltage connection (E2) by means of a first matching circuit (Al) and to the signal input (El) by means of a second matching circuit (A2)

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

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : MATERIAL REMOVAL DEVICE HAVING IMPROVED MATERIAL CAPTURE EFFICIENCY AND METHODS OF USE

(51) International classification	:A61B 17/3207	(71)Name of Applicant:
(31) Priority Document No	:61/285,768	1)TYCO HEALTHCARE GROUP LP
(32) Priority Date	:11/12/2009	Address of Applicant :I.P. LEGAL DEPARTMENT, 15
(33) Name of priority country	:U.S.A.	HAMPSHIRE STREET, MANSFIELD, MA 02048, UNITED
(86) International Application No	:PCT/US2010/059740	STATES OF AMERICA U.S.A.
Filing Date	:09/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/072149	1)ZHANG, ZHIYONG
(61) Patent of Addition to Application	.NY A	2)MOBERG, JOHN
Number	:NA	3)RANGWALA, HUSSAIN
Filing Date	:NA	4)MCPEAK, THOMAS
(62) Divisional to Application Number	:NA	5)WHEALON, WILLIAM
Filing Date	:NA	6)KUSLEIKA, RICHARD

#### (57) Abstract:

The present invention provides an improved atherectomy catheter having means for directing particles generated by a cutting element into a collection chamber. Methods of directing the cut material from a blood vessel lumen into a collection chamber are also provided.

No. of Pages: 47 No. of Claims: 59

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: SCREW COMPRESSOR HAVING SLIDE VALVE WITH FLEXIBLE VOLUME RATIO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16M :201110001197.7 :05/01/2011 :China :PCT/CN2011/074074 :16/05/2011 : NA :NA :NA :NA	(71)Name of Applicant:  1)SHANGHAI POWER TECH. SCREW MACHINERY CO., LTD.  Address of Applicant: NO. 851, FEIDU ROAD, HEAVY EQUIPMENT INDUSTRY ZONE, LINGANG NEW CITY, PUDONG, SHANGHAI-201306, CHINA China (72)Name of Inventor:  1)YAN TANG
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#### (57) Abstract:

Disclosed is a screw compressor having a slide valve with a flexible volume ratio, which includes: a casing, a screw, an air entry, an air outlet, a slide valve, a first air cylinder and a second air cylinder. The slide valve is disposed between the first air cylinder and the second air cylinder, and includes a slide valve main body. Two ends of the slide valve are respectively a first end surface and a second end surface, and the first end surface and the second end surface seal the first air cylinder and the second air cylinder respectively. The first air cylinder is connected to the air outlet of the compressor through a first connection pipe, and the second air cylinder is connected to a last closed spiral flute trough a second connection pipe. The slide valve searches for balance under the driving of pressures in the first air cylinder and the second air cylinder. The screw compressor having a slide valve with a flexible volume ratio provided by the present invention can enable the volume ratio of the compressor to be automatically adjusted to an optimal state, thus reducing power consumption and noise.

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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : LIGNOSULFONATE OF A CERTAIN QUALITY AND METHOD OF PREPARATION OF LIGNOSULFONATE OF A CERTAIN QUALITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07G 1/00 :0901569-4 :16/12/2009 :Sweden :PCT/SE2010/051391 :15/12/2010 :WO 2011/075060 :NA :NA	(71)Name of Applicant:  1)DOMSJO FABRIKER AB  Address of Applicant:S-891 86 ORNSKOLDSVIK,  SWEDEN Sweden (72)Name of Inventor:  1)BENGT JOENSSON  2)HANS GRUNDBERG  3)ALF GUSTAFSSON
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided a process for improving the quality of lignosulfonate at least partly derived form a spent sulfite cooking liquor in at least two steps, comprising: one step in which a lignosulfonate-containing fraction at least partly derived from the spent sulfite cooking liquor is subjected to filtration using a membrane having a cut-off of 40-150 kD (high cut-off) at the pressure, flow rate and temperature of the step and the permeate is recovered; and another step in which a lignosulfonate-containing fraction at least partly derived from the spent sulfite cooking liquor is subjected to filtration using a membrane having a cut-off of 1-20 kD (low cut-off) at the pressure, flow rate and temperature of the step and the retentate is recovered. Products, uses thereof as well as a system are also provided

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

(21) Application No.4928/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CONTROL OF AAD DICOT VOLUNTEERS IN MONOCOT CROPS

(51) International classification	:A01H 5/00	(71)Name of Applicant :
(31) Priority Document No	:61/263,950	1)DOW AGROSCIENCES LLC
(32) Priority Date	:24/11/2009	Address of Applicant :9330 ZIONSVILLE ROAD,
(33) Name of priority country	:U.S.A.	INDIANAPOLIS, INDIANA 46268, UNITED STATES OF
(86) International Application No	:PCT/US2010/057998	AMERICA U.S.A.
Filing Date	:24/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/066382	1)GREGORY A. HANGER
(61) Patent of Addition to Application	:NA	2)ANDREW ROBINSON
Number	:NA	3)NORBERT M. SATCHIVI
Filing Date	.IVA	4)RICHARD CHAMBERS
(62) Divisional to Application Number	:NA	5)TERRY WRIGHT
Filing Date	:NA	

#### (57) Abstract:

The subject invention relates in part to the control of AAD-12 and/or AAD-13 dicot volunteers in fields planted with monocot crops such as corn. The dicots can include soybeans and cotton.

No. of Pages: 28 No. of Claims: 11

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ARTICLE, IN PARTICULAR A PNEUMATIC TIRE, HAVING AN EXTERNAL RUBBER MIXTURE COMPRISING A LANTHANIDE SALT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:14/12/2010 :WO 2011/076619 :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 COURS SABLON, F-63000 CLERMONT-FERRAND, FRANCE France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)NATHALIE SALGUES  2)JEAN-LUC CABIOCH  3)KAZUMI MAKIUCHI
Filing Date	:NA	

#### (57) Abstract:

This invention relates to an article, in particular a pneumatic tire for a vehicle, comprising at least one external rubber mixture, in particular a tread, said external mixture comprising a rubber mixture consisting of at least one diene elastomer such as BR, SBR or NR, a reinforcing filler such as silica, a crosslinking system such as a vulcanization system, between 0.2 and 10 pce of an antioxidant, for example a substituted paraphenylenediamine, and between 0.2 and 10 pce of a lanthanide acetylacetonate such as a neodymium acetylacetonate. The latter makes it possible to advantageously reduce the consumption of antioxidant during the thermal oxidizing aging of the composition and hence of the external mixture.

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

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: CROSSLINKABLE THERMOPLASTIC POLYURETHANE •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:21/01/2011 : NA :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)UMIT G. MAKAL 2)LOUIS J. BRANDEWIEDE 3)GEORGE H. LOEBER
Filing Date	:NA :NA	

#### (57) Abstract:

The TPU of this invention contains unsaturation in its polymeric backbone. The unsaturation can be present in the soft segment or in the hard segment or in both the soft and hard segments of the TPU. The TPU can be molded like a thermoplastic, and can be subsequently crosslinked. In one embodiment, the TPU s of this invention are the reaction product (I) a hydroxyl terminated intermediate, (2) a polyisocyanate, (3) a saturated glycol chain extender, and (4) a glycol chain extender containing carbon-carbon double bonds. In another embodiment of this invention, the thermoplastic polyurethane which is crosslinkable by e-beam irradiation is comprised of the reaction product of (I) a saturated hydroxyl terminated intermediate, (2) an unsaturated hydroxyl terminated intermediate, wherein the unsaturated hydroxyl terminated intermediate contains carbon-carbon double bonds, (3) a polyisocyanate, and (4) a saturated glycol chain extender.

No. of Pages: 46 No. of Claims: 34

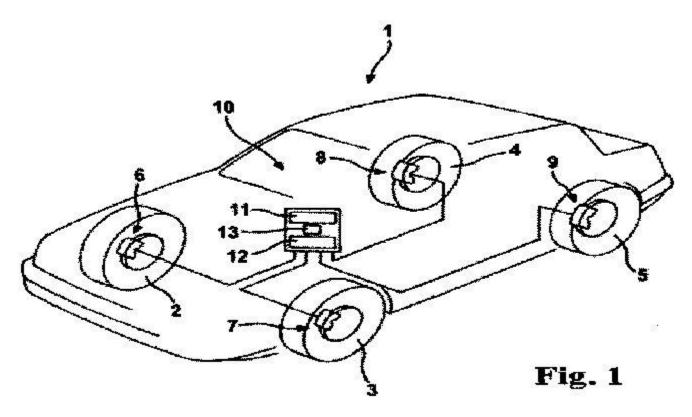
(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD FOR OPERATING A BRAKE SYSTEM OF A VEHICLE, ANDBRAKE 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>	:B60T 8/32 :10 2010 002 324.8 :25/02/2010 :France :PCT/EP2011/051214 :28/01/2011 :WO 2011/104064 :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)STREHLE, ALFRED  2)EISELE, ACHIM
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#### (57) Abstract:

The present subject matter describes operation a brake system (10) comprising a braking device (6, 7, 8, 9) associated with a wheel (2, 3, 4, 5) of the vehicle (1). The braking device applies a braking force to the wheel (2, 3, 4, 5) and a brake fluid can be supplied to the braking device from a master brake cylinder (11). The brake system (10) further comprises delivery device (13) that is connected to the braking device via a cross-section adjusting member and an intermediate accumulator (12). For reducing the braking force, the brake fluid can be discharged from the braking device into the intermediate accumulator (12) and can be delivered by means of the delivery device (13) into the master brake cylinder (11). The brake fluid is discharged at least at intervals at a volumetric flow rate that is greater than the maximum delivered volumetric flow rate of the delivery device (13).



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

(22) Date of filing of Application :05/06/2012

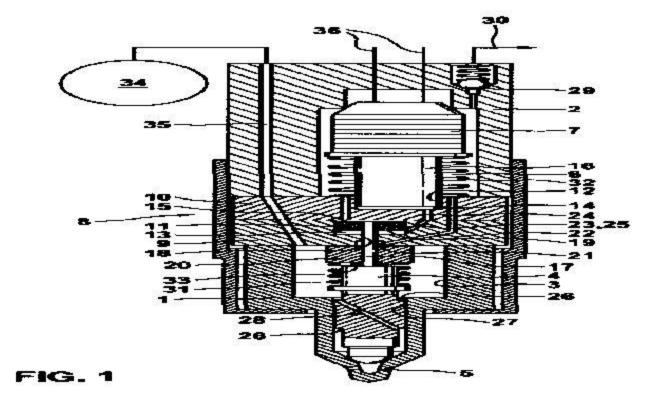
(43) Publication Date: 25/09/2015

# (54) Title of the invention : FUEL INJECTOR AND METHOD FOR THE MANUFACTURE AND/OR ASSEMBLY OF A NOZZLE NEEDLE ASSEMBLY

:F02M 63/00	(71)Name of Applicant:
:10 2010 002 286.1	1)ROBERT BOSCH GMBH
:24/02/2010	Address of Applicant :POSTFACH 30 02 20, 70442
:Germany	STUTTGART, GERMANY Germany
:PCT/EP2011/051778	(72)Name of Inventor:
:08/02/2011	1)EISENMENGER, NADJA
:WO 2011/104110	2)MAGEL, HANS-CHRISTOPH
·NIA	
:NA	
:NA	
:NA	
	:10 2010 002 286.1 :24/02/2010 :Germany :PCT/EP2011/051778 :08/02/2011 :WO 2011/104110 :NA :NA

#### (57) Abstract:

A fuel injector for a fuel injection system comprising a nozzle body (1) and an injector body (2), wherein a high-pressure bore (3) is formed in the nozzle body (1) for accommodating a nozzle needle (4), which performs a stroke movement by which at least one injection opening (5) is opened up or closed off. In the injector body (2) a low-pressure chamber (6) for accommodating a piezoelectric actuator (7) is formed, which is hydraulically coupled via a coupler (8) to the nozzle needle (4) in such a way that the nozzle needle (3) assumes the closed position thereof when the piezoelectric actuator (7) is electrically discharged. In an embodiment, the coupler (8) comprises a first and a second disc-shaped coupler body (9, 10) which in each case has one cylinder bore (11, 12) for accommodating one coupler piston (15, 16) each, which delimits a coupler chamber (13, 14).



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

(22) Date of filing of Application :05/06/2012

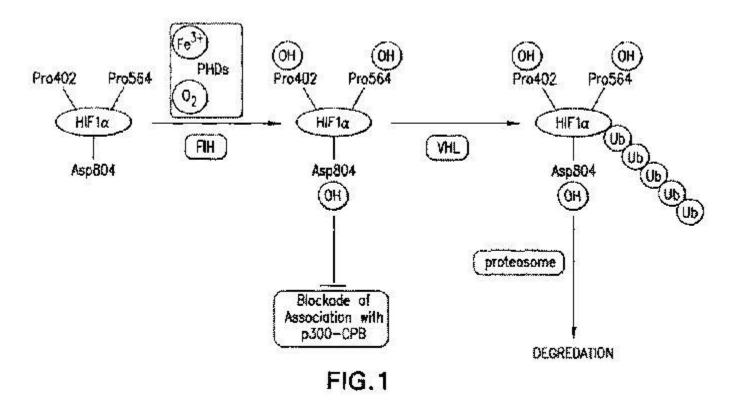
(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHODS FOR INCREASING THE STABILIZATION OF HYPOXIA INDUCIBLE FACTOR-1 ALPHA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:05/11/2010 :WO 2011/057112 :NA	(71)Name of Applicant:  1)AERPIO THERAPEUTICS INC.  Address of Applicant: 9987 CARVER ROAD, SUITE 420, CINCINNATI, OH 45242, U.S.A. U.S.A. (72)Name of Inventor:  1)SHALWITZ, ROBERT 2)GARDNER, JOSEPH, H.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2011/057112	· · · · · · · · · · · · · · · · · · ·
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed herein are methods for controlling the activity of hypoxia- inducible transcription factor 1 -alpha (HIF-  $l\alpha$ ) and diseases, conditions, or syndromes related thereto, inter alia, Peripheral Vascular Disease (PVD), Coronary Artery Disease (CAD), heart failure, ischemia, and anemia. Further disclosed are pharmaceutical compositions comprising HIF-  $l\alpha$  prolyl hydroxylase inhibitors useful in treating diseases, conditions, and/or syndromes related thereto the activity of HIF- $l\alpha$ .



No. of Pages: 150 No. of Claims: 56

(22) Date of filing of Application :16/07/2012 (43) Publication Date: 25/09/2015

### (54) Title of the invention: INDUCTION HEATING COIL DEVICE FOR MANUFACTURING OF WORKPIECE AND MANUFACTURING METHOD

(51) International classification :H05B6/36,C21D1/42,H05B6/10 (71)Name of Applicant :

:NA

(31) Priority Document No :2010001384 (32) Priority Date :06/01/2010

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2011/050093

Filing Date :06/01/2011 (87) International Publication No: WO 2011/083817

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

(62) Divisional to Application :NA Number

Filing Date

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6-1, MARUNOUCHI 2-CHOME,

CHIYODA-KU, TOKYO 100-8071, JAPAN Japan

(72) Name of Inventor: 1)OKADA Nobuhiro 2)TOMIZAWA Atsushi 3)SHIMADA Naoaki

#### (57) Abstract:

Disclosed is an induction heating coil capable of heating a steel tube that is conveyed non rotationally in the axial direction thereof uniformly in the circumferential direction thereof and stably in a narrow range in the axial direction thereof. An induction heating coil (10) having a configuration that encircles the exterior circumference of a long metallic material (1) which is the object to be heated in the circumferential direction thereof comprises two or more coil loops: a first coil loop coil main body (11) and a second coil loop coil main body (12). The coils have an interior circumferential length Ln (the non efficacious coil length) wherein the number of effective coil loops when the coils are projected in the circumferential direction is less than the total number of coil loops and the interior circumferential length of the projected coil main body being L0 (the interior circumferential coil length) where Ln/Lo is less than or equal to 0.05; and the coil main body (11) and the coil main body (12) further comprise insulator portions (11b and 12b) upon connection portions thereof wherein the insulator portions are present in locations separated between 5 and 45 degrees upon the central angles of the coil main bodies.

No. of Pages: 34 No. of Claims: 3

(21) Application No.1702/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:13/162,695 :17/06/2011 :U.S.A. :NA :NA : NA : NA	
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	2) WESTET GEEN SIGEEK

#### (57) Abstract:

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

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

(21) Application No.2194/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CLEANING APPARATUS FOR A CONVECTIVE SECTION OF A THERMAL POWER PLANT

(74) 7	D04D45/0022	71.33
(51) International classification	:B01D46/0023	(71)Name of Applicant:
(31) Priority Document No	:10 2011 110	1)CLYDE BERGEMANN GMBH MASCHINEN-UND
(31) Thority Document 110	926.2	APPARATEBAU
(32) Priority Date	:20/07/2011	Address of Applicant :SCHILLWIESE 20, 46485 WESEL
(33) Name of priority country	:Germany	(DE) Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ZACHAY, RICHARD
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Cleaning apparatus (1) including at least: - a holder (2), - a lance (3) with a fluid distributing device (4), - a drive unit (5) for a translatory movement of the lance (3) in the holder (2), - a first fluid conducting system (6) with a first feed (7), a first return (8) and at least one first flow path (9) proceeding from the first feed (7) toward the first return (8) for cooling the cleaning ap¬ paratus (1), and - a second fluid conducting system (10) with a second feed (11) and at least one second flow path (12) proceeding from the second feed (11) toward the fluid distributing device (4). Fig. 3

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No. of Pages: 29 No. of Claims: 8

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR MAKING A CATALYST COMPRISING A PHOSPHORUS MODIFIED ZEOLITE TO BE USED IN A MTO 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>	:10151507.0 :25/01/2010 :EPO :PCT/EP2011/050963 :25/01/2011 :WO 2011/089262 :NA :NA	(71)Name of Applicant:  1)TOTAL PETROCHEMICALS RESEARCH FELUY Address of Applicant: Zone Industrielle C B 7181 Seneffe (Feluy) Belgium (72)Name of Inventor: 1)NESTERENKO Nikolai 2)VAN DONK Sander 3)MINOUX Delphine 4)DATH Jean Pierre
Filing Date	:NA	

#### (57) Abstract:

The present invention is the use of a catalyst in a MTO process to convert an alcohol or an ether into light olefins wherein said catalyst comprises a phosphorus modified zeolite and is made by a method comprising the following steps in this order a)the essential portion of the phosphorus is introduced into a zeolite comprising at least one ten members ring in the structure b)the phosphorus modified zeolite of step a) is mixed with at least a component selected among one or more binders salts of alkali earth metals salts of rare earth metals clays and shaping additives b) making a catalyst body from mixture b) c)an optional drying step or an optional drying step followed by a washing step d) a calcination step d) an optional washing step followed by drying e) optionally a small portion of phosphorus is introduced in the course of step b)or b)or at end of step b)or b).

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

(21) Application No.6277/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PRODUCTION OF HETEROLOGOUS POLYPEPTIDES IN MICROALGAE MICROALGAL EXTRACELLULAR BODIES COMPOSITIONS AND METHODS OF MAKING 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 Filing Date (62) Divisional to Application Number Filing Date  (51) International Classification (28/12/2009 (28/12/2010 (28/12/201	(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)BAYNE Anne Cecile V.  2)LIPPMEIER James Casey 3)APT Kirk Emil 4)ZIRKLE Ross Eric
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## (57) Abstract:

The present invention relates to recombinant microalgal cells and their use in heterologous protein production methods of production of heterologous polypeptides in microalgal extracellular bodies microalgal extracellular bodies comprising heterologous polypeptides and compositions comprising the same.

No. of Pages: 182 No. of Claims: 37

(21) Application No.6278/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: PRODUCTION OF HEMAGGLUTININ NEURAMINIDASE PROTEIN IN MICROALGAE

(51) International classification	:C12N15/45,A61K39/17	(71)Name of Applicant:
(31) Priority Document No	:61/290469	1)DSM IP ASSETS B.V.
(32) Priority Date	:28/12/2009	Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen
(33) Name of priority country	:U.S.A.	Columbia Maryland 21045 Netherlands
(86) International Application No	:PCT/US2010/062274	2)MERIAL LIMITED
Filing Date	:28/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/082189	1)APT Kirk E.
(61) Patent of Addition to Application	:NA	2)BAYNE Anne Cecile V.
Number	:NA	3)LIPPMEIER James Casey
Filing Date	.NA	4)GUO Xuan
(62) Divisional to Application Number	:NA	5)PRITCHARD Joyce A.
Filing Date	:NA	

# (57) Abstract:

The present invention is directed to recombinant microalgal cells and their use production of heterologous hemagglutinin neuraminidase (HN) polypeptides as well compositions and uses thereof.

No. of Pages: 49 No. of Claims: 14

(21) Application No.6279/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MARKERS AND METHOD FOR THE DIAGNOSIS OF ROSACEA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/68 :61/282113 :17/12/2009 :U.S.A. :PCT/EP2010/069896 :16/12/2010 :WO 2011/073321 :NA :NA	(71)Name of Applicant:  1)GALDERMA RESEARCH & DEVELOPMENT Address of Applicant: 2400 Route des Colles Les Templiers F 06410 Biot France 2)UNIVERSITAT MUNSTER (72)Name of Inventor: 1)AUBERT Jr'me 2)STEINHOFF Martin 3)RIVIER Michel 4)VOEGEL Johannes
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## (57) Abstract:

The invention relates to markers for rosacea among the chemokines and cytokines and their receptors chosen from interleukin 8 (IL 8) CXCL1 CXCL2 CXCL3 and CXCL5 the CXCR1 receptor and the CXCR2 receptor and also to a method for the diagnosis of rosacea.

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

(22) Date of filing of Application :05/06/2012

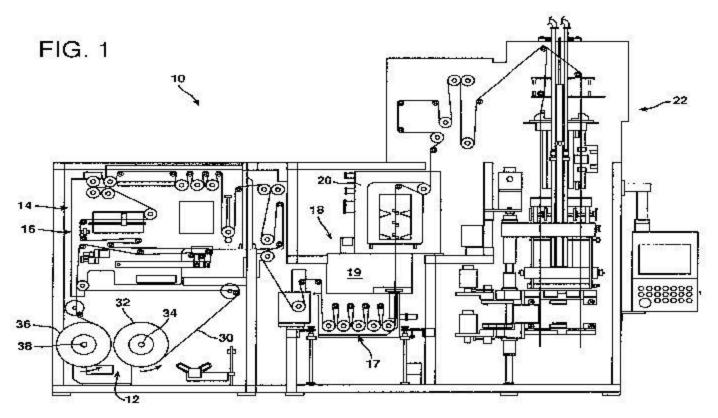
(43) Publication Date: 25/09/2015

# (54) Title of the invention : ASEPTIC PACKAGING SYSTEM, PACKAGING PROCESS AND PACKAGE WITH EXTERNAL FITMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B65B 55/10 :12/653,991 :22/12/2009	(71)Name of Applicant: 1)CRYOVAC, INC. Address of Applicant: POST OFFICE BOX 464, 100
(33) Name of priority country	:U.S.A.	ROGERS BRIDGE RD., DUNCAN, SC 29334, USA. U.S.A.
(86) International Application No	:PCT/US2010/061034	(72)Name of Inventor:
Filing Date	:17/12/2010	1)CAUDLE TIMOTHY G.
(87) International Publication No	:WO 2011/087719	2)MICNERSKI KENNETH
<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:

An aseptic packaging system (10) includes a film unwind device (12) a fitment feed device (14) for feeding a plurality of fitments (302) an apparatus (50) for attaching each of the fitments to a second surface of the film (17) an assembly for sterilizing the film and optionally each of the fitments (302) an assembly (18) for drying the film and optionally each of the fitments; and a vertical form/fill seal apparatus (22) for making packages from the sterilized film (141) and each of the fitments, each package (100) comprising a pouch comprising a first (176) and second (178) transverse seal, a first and second fold, an interior and exterior surface, and a longitudinal seal (154) and an external fitment (302) sealed to the exterior surface of the pouch; and a sterilized product disposed in the pouch. An aseptic process and package are also disclosed.



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

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DIAGNOSTIC METHODS BASED ON SOMATICALLY ACQUIRED REARRANGEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> Number	:C12Q1/68 :0922006.2 :17/12/2009 :U.K. :PCT/GB2010/052110 :16/12/2010 :WO 2011/073665 :NA :NA	(71)Name of Applicant:  1)GENOME RESEARCH LIMITED  Address of Applicant: Gibbs Building 215 Euston Road  London Greater London NW1 2BE U.K.  (72)Name of Inventor:  1)CAMPBELL Peter John
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A monitoring method comprising identifying a somatically acquired genomic rearrangement associated with a disease state in a patient by genome wide analysis of the nucleic acid of that patient and monitoring the changes in levels of nucleic acid containing the genomic rearrangement and/or quantifying the levels of nucleic acid containing the genomic rearrangement as a marker for the progression or severity of a disease in that patient is described. Use of a monitoring process of the invention in assessment of efficacy of a therapy and use of a patient specific genomic rearrangement as a biomarker for disease progression in that patient are also described.

No. of Pages: 28 No. of Claims: 18

(21) Application No.6281/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# $(54) \ Title \ of the \ invention: PROCESS \ FOR \ THE \ RESOLUTION \ OF \ ENANTIOMERS \ BY \ PREFERENTIAL \ EVAPORATIVE \ CRYSTALLIZATION$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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 59170 :18/12/2009 :France	(71)Name of Applicant:  1)UNIVERSITE DE ROUEN  Address of Applicant: 1 rue Thomas Becket F 76130 Mont Saint Aignan France (72)Name of Inventor:  1)COQUEREL Grard 2)LEVILAIN Guillaume
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a process for the resolution of two enantiomers which consists in inducing the preferential crystallization of one enantiomer by adjusting the composition of a suspension or solution including a racemic mixture of the two enantiomers and a solvent by evaporation of the latter.

No. of Pages: 35 No. of Claims: 7

(21) Application No.6282/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DRYING SYSTEM COMPRISING A THERMAL ENGINE

:WO 2011/092224

(51) International classification :F26B15/14,F26B23/00,F26B23/02

(31) Priority Document No :10 2010 001 234.3

(32) Priority Date :26/01/2010
(33) Name of priority country :Germany

(86) International Application :PCT/EP2011/051094

No :26/01/2011

Filing Date

(87) International Publication

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date

(22) Print Application Number
Silva Silv

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant : 1)DRR SYSTEMS GMBH

Address of Applicant :Carl Benz Strae 34 74321 Bietigheim

Bissingen Germany
(72)Name of Inventor:
1)WESCHKE J<sup>1</sup>/<sub>4</sub>rgen
2)WIELAND Dietmar

3)JOST J<sup>1</sup>/<sub>4</sub>rgen

(57) Abstract:

The invention relates to a system (1) for drying vehicle bodies (3) and/or for controlling the temperature thereof. The system (1) comprises a cabin (5). It has a heater for heating hot air for the cabin (5). The system (1) is equipped with a mechanical energy consuming device for example a generator (45) and/or a fan (21 29). The heater contains at least one heat exchanger (19 27). The hot exhaust gas of a thermal engine (25) can be supplied to the heat exchanger (19 27). The thermal engine (25) is coupled to the mechanical energy consuming device for example the generator (45) so as to move together. Because of said coupled movement mechanical energy can be transmitted from the thermal engine (25) to the mechanical energy consuming device.

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

(21) Application No.6283/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HEATING SYSTEM FOR A VAPOR PHASE DEPOSITION SOURCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:15/02/2011 :WO 2011/101325 :NA	(71)Name of Applicant:  1)ASTRON FIAMM SAFETY Address of Applicant: 35 Rue Pasteur ZI Toulon Est BP 320 La Farl de F 83077 Toulon France (72)Name of Inventor: 1)DUSSERT VIDALET Bruno 2)GUERARD Cdric
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The patent describes a vapor phase deposition source comprising a vessel equipped with two zones. The first zone is for the production of vapor. It is equipped with a receptacle for the material and means for heating the material placed in the receptacle. The second is a diffusion zone comprising a vessel communicating with the production zone and equipped with at least one orifice so that the vapor phase material is transmitted towards the exterior of the vessel through the orifice. The source is characterized in that on the one hand the room comprises an inner wall and an outer envelope defining an intermediate space filled with a heat transporting liquid and on the other it is equipped with means for heating the coolant.

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

(22) Date of filing of Application :05/06/2012

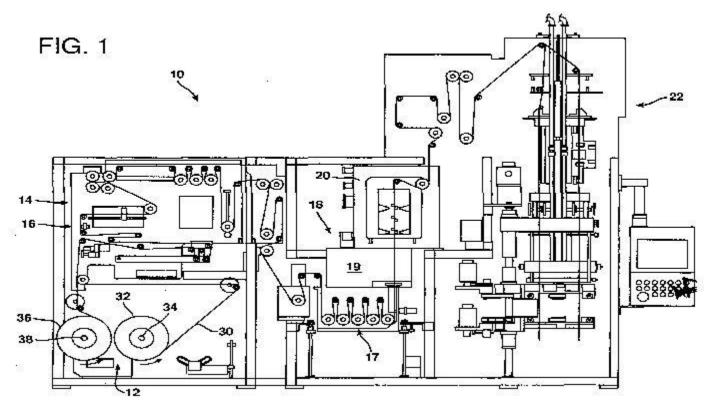
(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD AND MACHINE FOR MAKING AN ASEPTIC PACKAGE WITH INTERNAL FITMENT AS WELL AS THE PACKAGE OBTAINED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B65B 55/10 :12/655,059 :22/12/2009 :U.S.A. :PCT/US2010/061045 :17/12/2010 :WO 2011/087720 :NA	(71)Name of Applicant:  1)CRYOVAC, INC.  Address of Applicant: POST OFFICE BOX 464, 100  ROGERS BRIDGE RD., DUNCAN, SC 29334, USA. U.S.A. (72)Name of Inventor:  1)CAUDLE TIMOTHY G.  2)MICNERSKI KENNETH
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An aseptic packaging system includes a film unwind device; a fitment feed device for feeding a plurality of fitments; an apparatus for attaching each of the fitments to the film; an assembly for sterilizing the film and each of the fitments; an assembly for drying the film and each of the fitments; and a vertical form/fill seal apparatus for making packages from the sterilized film and each of the sterilized fitments, each package comprising a pouch comprising a first and second transverse seal, a first and second fold, an interior and exterior surface, and a longitudinal seal; and a sterilized internal fitment sealed to the sterilized interior surface of the pouch; and a sterilized product disposed in the pouch. An aseptic process and package are also disclosed.



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

(21) Application No.4956/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: APPARATUS FOR DETECTING CHEMICAL SUBSTANCES

## (57) Abstract:

An olfactory system (300) capable of detecting a threat includes: a detection unit (100) including an IMS sensor (110) that outputs IMS data (115) relating to chemical substances included in fluid at a sampling point; a local memory (41) storing a library (49) including a specifying pattern (48) generated when a specified chemical substance was detected by the IMS sensor (110); and a matching unit (42) that routinely compares and matches the IMS data (115) and the specifying pattern (48) for monitoring purposes included in the library (49).

No. of Pages: 32 No. of Claims: 8

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention: 'HERBICIDAL COMPOSITIONS COMPRISING, AND METHODS OF USE OF, HERBICIDALLY ACTIVE PYRANDIONES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A01N 43/16 :0922101.1 :17/12/2009	(71)Name of Applicant:  1)SYNGENTA LIMITED  Address of Applicant: BUROPEAN REGIONAL CENTRE, PRIESTIEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH, UNITED KINGDOM. U.K. (72)Name of Inventor:  1)CHUNG RICHARD CHI SHING 2)CORBIN JANE ELISABETH 3)MATHEWS CHRISTOPHER JOHN 4)MITCHELL GLYNN 5)PIPER CATHERINE JULIA 6)SCREPANTI CLAUDIO 7)SCUTT JAMES NICHOLAS
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## (57) Abstract:

The present invention relates to a method of controlling weeds in crops of rice, which comprises applying compound A-13, whose structure is plants or to the locus thereof; a method of controlling Echinochloa weeds and/or Leptochloa weeds in crops of useful plants, which comprises applying compound A-13 to the plants or to the locus thereof; and a herbicidal composition containing compound A-13. The present invention also relates to a herbicidal composition comprising as active ingredient a mixture of a) a herbicidally effective amount of a compound of formula (I) wherein: R1 is cyclopropyl, R2 is optionally substituted phenyl, R4, R5, R6 and R7, independently of each other, are hydrogen or C1-C4 alkyl, Y is O, and G is hydrogen, an alkali metal, alkaline earth metal, sulfonium, or ammonium, or G is a latentiating group which is C(O)-Ra or C(O)-O-Rb; and b) a co-herbicide selected from the group consisting of fenoxasulfone, ipfencarbazone, propyrisulfuron, and N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-fluorophenyl]-1,1- difluoro-N-methylmethanesulfonamide.

No. of Pages: 67 No. of Claims: 50

(21) Application No.6294/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: POLYCRYSTALLINE AL2O3 BODIES BASED ON MELTED ALUMINIUM OXIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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 2010 047 095.3 :01/10/2010 :Germany :PCT/EP2011/004089 :15/08/2011 :WO 2012/041421 :NA :NA	(71)Name of Applicant:  1)CENTER FOR ABRASIVES AND REFRACTORIES RESEARCH & DEVELOPMENT C.A.R.R.D. GMBH Address of Applicant: Seebacher Allee 64 A 9524 Villach Austria (72)Name of Inventor: 1)SACHSE Sebastian
Filing Date	:NA	

## (57) Abstract:

The invention relates to polycrystalline  $Al_2O_3$  bodies based on melted aluminum oxide having an average crystallite size of the primary crystals between 20  $\mu$ m and 100  $\mu$ m and a closed macroporosity between 10 vol% and 30 vol%. The polycrystalline  $Al_2O_3$  bodies are obtained by casting and quenching a liquid aluminum oxide melt while simultaneously seeding the poured stream with seed crystals and can be advantageously used to produce grinding elements and fireproof products.

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

(21) Application No.6296/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: PAPER SHEET PROCESSING DEVICE AND PAPER SHEET 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G07D9/00 :2009289637 :21/12/2009 :Japan :PCT/JP2010/073023 :21/12/2010 :WO 2011/078177 :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1 1 Shibaura 1 chome Minato ku Tokyo 1058001 Japan (72)Name of Inventor:  1)SAKOGUCHI Yoshitaka 2)MUKAI Kazuhiro 3)OOSAWA Hisashi
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### (57) Abstract:

A paper sheet processing device is provided with a main module (10) and a loading module (30). The main module (10) has: a supply unit (11) in which a plurality of paper sheets are stacked; a removal mechanism (14) which removes the paper sheets from the supply unit; a conveyance path (16) which conveys the removed paper sheets; an inspection device (18) which inspects the conveyed paper sheets; and a collection unit (22a) which collects the inspected paper sheets. The loading module (30) has: a mounting part (34) to which a loading chamber (32) of an ATM can be mounted; a conveyance path (44) which is connected to the main module and which conveys the paper sheets; a removal/loading mechanism (36) which removes/loads the paper sheets from/to the loading chamber; an inspection device (38) which inspects the paper sheets taken from the loading chamber; and a reject chamber (40) which collects the sheets rejected after inspection. The loading module loads the paper sheets sent from the main module into the loading chamber.

No. of Pages: 85 No. of Claims: 30

(21) Application No.4978/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: MK2 INHIBITORS

(51) International classification	:C07D 471/20	(71)Name of Applicant:
(31) Priority Document No	:09179043.6	1)MSD OSS B.V.
(32) Priority Date	:14/12/2009	Address of Applicant :KLOOSTERSTRAAT 6, NL-5349 AB
(33) Name of priority country	:EPO	OSS, NETHERLANDS Netherlands
(86) International Application No	:PCT/EP2010/069465	(72)Name of Inventor :
Filing Date	:13/12/2010	1)BARF, TJEERD ANDRIES
(87) International Publication No	:WO 2011/073119	2)OUBRIE, ARTHUR
(61) Patent of Addition to Application	:NA	3)SCHULTZ - FADEMRECHT, CARSTEN
Number	:NA :NA	4)ZWART, ENDUARD WILLEM
Filing Date	.IVA	5)HOOGENBOOM, NIELS
(62) Divisional to Application Number	:NA	6)DE WILDE, SANDER MARTIJIN
Filing Date	:NA	7)KAPTEIN, ALLARD

## (57) Abstract:

The present invention relates to compounds of general Formula (I) or a pharmaceutically acceptable salt thereof. The compounds can be used in the treatment of immune, autoimmune, inflammatory diseases, cardiovascular diseases, infectious diseases, bone resorption disorders, neurodegenerative diseases or proliferative diseases.

No. of Pages: 80 No. of Claims: 16

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD OF FORMING A POLYMER COMPONENT •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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>	:C08J3/00 :0922339.7 :21/12/2009 :U.K. :PCT/GB2010/002292 :17/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)DEREK JAMES WALLACE MCMINN Address of Applicant: Calcot Farm Calcot Hill Clent Stourbridge West Midlands DY9 9RX U.K. (72)Name of Inventor: 1)DEREK JAMES WALLACE MCMINN
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This invention relates to a method of forming a polymer component and comprises blending polymer particles with antioxidant to form a mixture in which the antioxidant coats the polymer particles, irradiating the polymer particles to cross-link the polymer particles therein and forming the irradiated mixture into a consolidated component. The invention also relates to a method of forming an articular surface for a prosthesis and a prosthesis having a polymer articular bearing surface wherein at least one predetermined portion of the bearing surface is provided with cross-linked polymer bonds.

No. of Pages: 124 No. of Claims: 56

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

(54) Title of the invention: DIAPER COVER

(51) International classification	:A41B13/04, A41B13/00	(71)Name of Applicant: 1)LIVEDO CORPORATION
(31) Priority Document No	:2010-022443	Address of Applicant :45-2 Handaotsu Kanadacho
(32) Priority Date	:03/02/2010	Shikokuchuo-shi Ehime 7990122 Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2011/000486	1)MIYAKE Hirofumi
Filing Date	:28/01/2011	2)TATSUKAWA Akiko
(87) International Publication No	:WO 2011/096183	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.6301/DELNP/2012 A

## (57) Abstract:

A diaper cover comprising a front part a back part and an intermediate part located between the front part and the back part in a front-back direction a right waist part and a left waist part extending from the back part in a width direction and a right flap part and a left flap part extending from the front part in the width direction wherein each of the right flap part and the left flap part is provided with a first attachment the right flap part the left flap part and the intermediate part are stretchable and the first attachment is attachable to a position on a dorsal side of a wearer in a state where the right flap part and the left flap part are stretched.

No. of Pages: 34 No. of Claims: 11

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: STEEL FOR LEAF SPRING WITH HIGH FATIGUE STRENGTH AND LEAF SPRING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C22C38/00 :2009-287175 :18/12/2009 :Japan :PCT/JP2010/072541 :15/12/2010 :WO 2011/074600 :NA :NA :NA	(71)Name of Applicant:  1)AICHI STEEL CORPORATION  Address of Applicant: 1 Wano-wari Arao-machi Tokai-shi Aichi 476-8666 Japan Japan  2)NHK SPRING CO. LTD. (72)Name of Inventor:  1)SUGIMOTO Atsushi 2)KURIMOTO Kiyoshi 3)TANGE Akira 4)GOTO Yurika 5)AKEDA Mamoru
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### (57) Abstract:

Disclosed is steel for a leaf spring with high fatigue strength containing in mass percentage C: 0.40 to 0.54% Si: 0.40 to 0.90% Mn: 0.40 to 1.20% Cr: 0.70 to 1.50% Ti: 0.070 to 0.150% B: 0.0005 to 0.0050% N: 0.0100% or less and a remainder composed of Fe and impurity elements. Also disclosed is a high fatigue-strength leaf spring part obtained by forming the steel. The steel for a leaf spring is prepared to have a Ti content and a N content to satisfy a relation of Ti/N=10. Preferably the leaf spring part is subjected to a shot peening treatment in a temperature range of the room temperature through 400C with a bending stress of 650 to 1900 MPa being applied to it.

No. of Pages: 46 No. of Claims: 5

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR INCREASING AMOUNT OF COKE OVEN GAS BY USING CARBON DIOXIDE

# (57) Abstract:

The present invention relates to a method for increasing the amount of coke oven gas (COG) by reacting high temperature carbon with carbon dioxide and/or water by using waste heat generated at a coke oven and more specifically to a method for increasing the amount of COG comprising the following steps of: supplying a gasifying agent which is carbon dioxide water or a mixture thereof to a COG stream in a carbonization chamber of a coke oven; and reacting the gasifying agent with carbon inside the carbonization chamber to gasify the carbon and a coke oven device suitable for the method.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : CIRCULAR STAPLER INTRODUCER WITH RIGID CAP ASSEMBLY CONFIGURED FOR EASY REMOVAL

(51) International classification	:A61B 17/068	(71)Name of Applicant :
(31) Priority Document No	:12/621,679	1)ETHICON ENDO-SURGERY, INC.
(32) Priority Date	:19/11/2009	Address of Applicant :4545 CREEK ROAD, CINCINNATI,
(33) Name of priority country	:U.S.A.	OH 45242, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT/US2010/057104	(72)Name of Inventor:
Filing Date	:17/11/2010	1)CHESTER O. BAXTER, III
(87) International Publication No	:WO 2011/063041	2)JOHN V. HUNT
(61) Patent of Addition to Application	:NA	3)DANIUS P. SILKAITIS
Number	:NA	4)JEFFREY P. WILEY
Filing Date	.11/1	5)PAUL T. FRANER
(62) Divisional to Application Number	:NA	6)JOHN B. SCHULTE
Filing Date	:NA	7)DANIEL J. ABBOTT

#### (57) Abstract:

Introducers for introducing a surgical circular stapler into a patient. Various embodiments comprise a hollow flexible sheath that has a distal end and an open proximal end that is sized to receive a stapling head portion of the circular stapler therein. A rigid cap assembly may be attached to the distal end of the hollow flexible sheath The rigid cap assembly may be configured to selectively move between a closed position wherein a distal face of the stapling head is covered and an open position wherein the distal face of the stapling head is exposed. A portion of the rigid cap assembly has a shape that substantially matches a perimetrical shape of a portion of the stapling head to enable the rigid cap assembly to pass proximally over the stapling head when the introducer is withdrawn from the patient.

No. of Pages: 48 No. of Claims: 20

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention: SENSOR ATTACHMENT ARRANGEMENT FOR FLEXIBLE BAGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C12M 1/34 :0950974-6 :17/12/2009 :Sweden :PCT/SE2010/051386 :15/12/2010 :WO 2011/075057	(71)Name of Applicant:  1)GE HEALTHCARE BIO-SCIENCES AB Address of Applicant:PATENT DEPARTMENT, BJORKGATAN 30 S-751 84 UPPSALA, SWEDEN Sweden (72)Name of Inventor: 1)HANNO EHRING 2)KINE FREJ
		,
<u> </u>		
(87) International Publication No (61) Patent of Addition to Application	:WO 2011/075057	2)KINE FREJ 3)OWS SALVEN
Number	:NA	4)ANDERS WILEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An attachment arrangement for providing a sensor in a flexible bag, said attachment arrangement comprising: - a sensor holding part adapted to be integrated with the flexible bag and comprising first locking means protruding out form the flexible bag, said sensor holding part holding an optical sensor inside the flexible bag; - an adaptor part provided outside the flexible bag and adapted to hold an optical fibre, said adaptor part comprising second locking means adapted to mate with said first locking means to lock the two parts together such that the optical fibre can communicate with the optical sensor inside the bag.

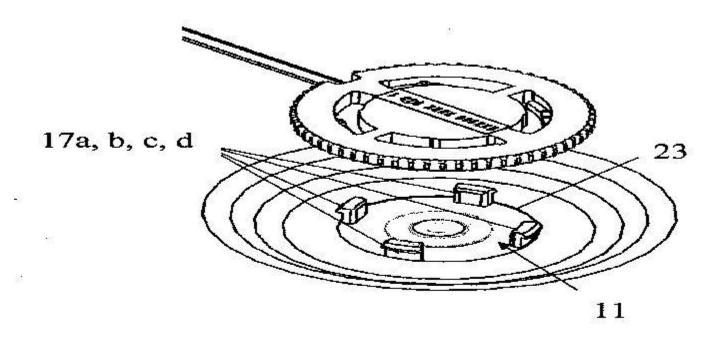


Fig. 2b

No. of Pages: 26 No. of Claims: 18

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ELASTOMERIC COMPOSITION FOR A TIRE OBJECT HAVING A SELF-SEALING PROPERTY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08L57/02 :1050597 :28/01/2010 :France :PCT/EP2011/050858 :21/01/2011 :WO 2011/092124	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 Cours Sablon 63000 Clermont- Ferrand-France France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)BOZENA VOGE
<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 :NA	1)BOZENA VOGE 2)JOS‰ CARLOS ARAUJO DA SILVA 3)JOSE MERINO LOPEZ

#### (57) Abstract:

The invention relates to an elastomeric composition having a self-sealing property, which is usable, in particular, as an anti-puncture layer in a tire object, and containing at least (a significant percentage of parts by weight percent of a solid elastomer): an unsaturated solid diene elastomer; between 30 and 90 percent of a hydrocarbon resin; 0 to less than 30 percent of a filler; between 0.5 and 15 percent of thiuram polysulfide. The invention also relates to a pneumatic object such as a pneumatic tire provided with an anti-puncture layer including a composition according to the invention; the anti-puncture layer is advantageously associated with an airtight layer, e.g., containing butyl rubber or a TPS elastomer, in order to form an air-tight and anti-puncture laminated composite in the pneumatic object.

No. of Pages: 36 No. of Claims: 30

(21) Application No.6311/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention : CIRCUIT BREAKER ELECTRICAL CONTACT ASSEMBLY, AND SYSTEMS AND METHODS USING SAME

(51) International classification	:H01H1/22, H01H1/50 :61/302,273	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT  Address of Applicant: Wittelsbacherplatz 2 80333 Munchen
(31) Priority Document No (32) Priority Date	:08/02/2010	Germany Germany
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/024016	1)FONG SHEENFAR SEAN
Filing Date	:08/02/2011	2)JORG SIZEMORE
(87) International Publication No	:WO 2011/097612	3)MARK I SHMUKLER
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)JAMES EDWARD FERREE
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Embodiments provide an electrical contact assembly (100). The electrical contact assembly includes a crossbar (102), a pivot pin (104) mounted in the crossbar, a contact arm (106) pivotally mounted on the pivot pin and rotatable about a pivot axis (107), a moveable electrical contact (108M) spaced from the pivot axis in a first arm portion (106A) of the contact arm, and a spring assembly (110) coupled between the crossbar and the contact arm, the spring assembly including a clevis pin (112A) and a spring (114) received on the clevis pin wherein an end of the clevis pin extends through the spring and is received in a pivot recess (126) in the crossbar. Electrical contact assemblies with offset rod ends and limit stops are also disclosed. Systems including the electrical contact assembly and methods of operating the electrical contact assembly are provided, as are other aspects.

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

(21) Application No.296/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 25/09/2015

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

(51) International classification	:D01D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Murata Machinery, Ltd.
(31) Thomas Bocument 110	056389	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:19/03/2014	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)MUTA Katsufumi
Filing Date	:NA	
(87) International Publication 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 traverse arm (71) and a unit control section (51). The traverse arm (71) traverses a yarn (20) wound around a conical package (30). The unit control section (51) increases a traverse speed ratio when the winding stage progresses, the traverse speed ratio being a ratio of a traverse speed of the traverse arm (71) in a smaller-diameter region to a traverse speed of the traverse arm (71) in a larger-diameter region. REFER TO FIG. 4B

No. of Pages: 36 No. of Claims: 9

(22) Date of filing of Application :10/11/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : MULTIPLE-CRITERION BASED GLOBAL NAVIGATION SATELLITE SUB-SET RECURSIVE 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 Number</li> <li>Filing Date</li> </ul>	:14/091,441 :27/11/2013 :U.S.A. :NA :NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

In one embodiment, a method for selecting a sub-set of satellites from a set of N satellites is provided. The method includes recursively evaluating each sub-set of N-P satellites of a set of N satellites. If only one sub-set satisfies one or more first criterion, then the one subset that satisfies the one or more first criterions is selected. If, however, more than one sub-set satisfies the one or more first criterion are evaluated with respect to one or more second criterion and the one sub-set that optimizes the one or more second criterion is selected. Once the selected set of N satellites is equal to the number of satellites from which a receiver is configured to calculate a navigation solution, then that selected set of N satellites is used to calculate a navigation solution.

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

(21) Application No.6306/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SLIDING DOOR LOCK WITH DUAL BREAK-OUT RELEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:19/01/2011 : NA	(71)Name of Applicant:  1)STANLEY BLACK & DECKER INC.  Address of Applicant: 1000 Stanley Drive New Britain  Connecticut 06053 U.S.A.  (72)Name of Inventor:  1)RONALD R. LALIBERTE  2)PETER DELEONARDIS  3)MICHAEL ROBERT BARONE
· · ·		
<u>e</u>		7
· · · ·	: NA	
(61) Patent of Addition to Application	:NA	3)MICHAEL ROBERT BARONE
Number	:NA	4)MICHAEL ARTHUR SALVIETTI
Filing Date		5)BLAIR EUGENE DONEWALD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Apparatus and system comprising a release assembly configured to unlock a sliding door panel from left and right sides of the sliding door panel. The left and right sides of the sliding door panel are opposed in the sliding direction.

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

(21) Application No.6307/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

(54) Title of the invention: WOUND CARE

(51) International classification	:A61L15/00, A61K33/32	(71)Name of Applicant: 1)THE CURATORS OF THE UNIVERSITY OF
(31) Priority Document No	:12/683,244	MISSOURI
(32) Priority Date	:06/01/2010	Address of Applicant :316 University Hall Columbia
(33) Name of priority country	:U.S.A.	Missouri 65211 U.S.A.
(86) International Application No	:PCT/US2011/020362	(72)Name of Inventor:
Filing Date	:06/01/2011	1)STEVEN B. JUNG
(87) International Publication No	:WO 2011/085092	2)DELBERT E. DAY
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for treating a wound, and a dressing for wound care management comprising a three-dimensional body of glass-based fibers comprising one or more glass-formers selected from the group consisting of P2O5, SiO2, and B2O3; at least about 25 wt % of the fibers have a diameter between about 200 nm and about 4000 nm, and a length: width aspect ratio of at least about 10. In another form, the glasses are in the form of particles in an ointment or cream applied to a wound. In yet other forms the glasses are employed as fibers formed into sutures for closing a wound, or as particles in a surgical glue for closing a wound.

No. of Pages: 41 No. of Claims: 19

(21) Application No.6308/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: OVEN EXHAUST HOOD METHODS, DEVICES, AND 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</li></ul>	:F24C15/20 :61/294,511 :13/01/2010 :U.S.A. :PCT/US2011/021167	(71)Name of Applicant:  1)OY HALTON GROUP LTD.  Address of Applicant: Esterinportti 2 FI-00240 Helsinki Finland (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application	:13/01/2011 :WO 2011/088230 :NA	1)RICK A. BAGWELL 2)ANDREY V. LIVCHAK 3)PHILIP J. MEREDITH
Number Filing Date (62) Divisional to Application Number	:NA :NA	4)DEREK W. SCHROCK 5)ANDREW C. FALLER 6)DARRIN W. BEARDSLEE
(62) Divisional to Application Number Filing Date	:NA :NA	0)DARRIN W. BEARDSLEE

# (57) Abstract:

An exhaust device for convection or combi ovens captures exhaust from opening side-opening oven doors with minimal energy waste

No. of Pages: 27 No. of Claims: 29

(21) Application No.6309/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : BIOMARKERS OF IMMUNOMODULATORY EFFECTS IN HUMANS TREATED WITH ANTICD200 ANTIBODIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K39/395, G01N33/68, :61/294,066 :11/01/2010 :U.S.A. :PCT/US2011/020750 :11/01/2011 : NA	(71)Name of Applicant:  1)ALEXION PHARMACEUTICALS INC. Address of Applicant: 352 Knotter Drive Cheshire CT 06410 U.S.A. (72)Name of Inventor: 1)SUSAN FAAS MCKNIGHT 2)ROXANNE COFIELL 3)YAN YAN
	: NA :NA :NA :NA :NA	3)YAN YAN

# (57) Abstract:

The present disclosure relates to anti-CD200 antibodies (e.g., variant anti- CD200 antibodies having decreased or no effector function) and to biomarkers for use in a variety of diagnostic and therapeutic methods, e.g., determining whether a human has been administered one or more of the antibodies at a dose sufficient to induce a desired immunomodulatory effect in the human and/or selecting an appropriate dosing schedule for a patient.

No. of Pages: 228 No. of Claims: 256

(21) Application No.4970/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TIRE TREAD REINFORCED WITH SHORT ORIENTED AND CROSSED FIBERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60C 11/14 :09/58729 :08/12/2009 :France :PCT/EP2010/068881 :03/12/2010 :WO 2011/069924 :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 COURS SABLON, 63000 CLERMONT-FERRAND, FRANCE France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)ALEXIS BOURNAT  2)PATRICK CORSI
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## (57) Abstract:

Tyre tread (1) provided with a tread surface(10) designed to be in contact with a roadway, this tread comprising a sculpture formed by raised elements (31,32) delimiting at least two grooves(21) of generally circumferential orientation, this tread comprising a composite material constructed by the stacking of a plurality of layers of rubber (Cl, C2), each layer comprising a plurality of short reinforcing fibres that are parallel with one another and oriented in a single direction, the short fibres being crossed from one layer of rubber (Cl) to the adjacent layer (C2)Tyre provided with such a tread.

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

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: THERMAL SOLAR PANEL WITH INTEGRTED CHEMCIAL HEAT PUMP

(32) Priority Date :09/12/2009 Address (33) Name of priority country :Sweden HAGERST (86) International Application No :PCT/SE2010/051353 (72)Name of the control of the co	MATEWELL AB (PUBL) ress of Applicant :INSTRUMENTVAGEN 20 S-126 53 ESTEN, SWEDEN Sweden ne of Inventor : RAN BOLIN
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### (57) Abstract:

A solar panel comprises a conduit which in the usual way is designed to comprise a heat carrying medium for heat transfer between the solar panel and the surrounding environment. The conduit is placed so that it can be heated by the rays from the sun. The solar panel comprises a chemical heat pump of the type hennetically sealed unity tube with a reactor part, an evaporator/condenser part and a passage there between. The part of the unity tube comprising the reactor part of the chemical heat pump is positioned in heat conducting contact with the first conduit and thereby the part of the unity tube with the reactor part will be heated. The unity tube may be surrounded by a heat insulating part of vacuum jug type comprising an evacuated space between an outer wall and an inner wall. The inner wall may at its outwards facing surface comprise a radiation receiving part adapted to transform solar radiation to heat and which is in heat conducting contact with the first area and the first conduit.

No. of Pages: 37 No. of Claims: 23

(22) Date of filing of Application :06/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TIRE HAVING ENHANCED ROLLING PERFORMANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B60C 11/13 :0959096 :17/12/2009 :France :PCT/EP2010/069878 :16/12/2010 :WO 2011/073312 :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 COURS SABLON 63000 CLERMONT-FERRAND-FRANCE France 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor: 1)FRANCOIS LE-HEN
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Tyre provided with a tread (1) having a tread surface (10) intended to come into contact with the road and lateral faces intersecting the tread surface at two corner edges to determine a total width of tread between the said two corner edges, this tread being provided with grooves of depth H opening onto the tread surface and delimited by faces of material which are distant by at least a width equal to 2 mm, a plurality of grooves (2) being provided on at least one of the opposing faces that delimit them with at least one profiled protrusion (6), this profiled protrusion being delimited by a radially external surface (31-e) and by a radially internal surface (31-i), the radially external surface being closer to the tread surface (10) than the radially internal surface, these external and internal surfaces meeting at those points (Al, A2)of the protrusion that are furthest away in the direction of the groove, this tread being such that each of these radially internal and external surfaces of each protrusion has, in a plane of section parallel to the faces delimiting the groove, a profile such that the length of the profile of the radially external surface (31-e) is greater than the length of the profile of the radially internal surface (31-i)

No. of Pages: 18 No. of Claims: 5

(21) Application No.785/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: S.D.D.

(51) International classification	:F15B3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MR. DEV DUTT SHARMA
(32) Priority Date	:NA	Address of Applicant :HOUSE NO. 193, SECTOR-2,
(33) Name of priority country	:NA	POCKET-5, ROHINI, NEW DELHI. Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEV DUTT SHARMA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

We have made this machine which will keep on running and it does not require solar energy or oil or air. In physics it has not happened till now that power is generated by increasing it.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHODS AND COMPOSITIONS USING PERPOXIREDOXIN 1 (PRX1) AS AN ADJUVANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>(22) Principles of Application Number</li> </ul>	:08/12/2010 :WO 2011/071988 :NA :NA	(71)Name of Applicant:  1)HEALTH RESEARCH, INC. Address of Applicant: ELM AND CARLTON STREETS, BUFFALO, NEW YORK 14263, U.S.A. U.S.A. (72)Name of Inventor: 1)GOLLNICK SANDRA O. 2)RIDDELL JONAH
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Provided are compositions and methods for stimulating immune responses against antigens. The compositions contain an antigen to which a stimulated immune response is desired and an isolated Prx1 protein. The Prx1 protein functions as an adjuvant so that the immune response to the antigen stimulated by the composition comprising the antigen and Prx1 is greater than the immune response stimulated by the antigen alone.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PORTABLE EXCREMENT BAG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:25/09/2010 :WO 2011/054170 :NA :NA	(71)Name of Applicant:  1)YANG KUOHUANG  Address of Applicant:ROOM 2, 8/F., NO.2, LN.90, SEC.2, HEPING EAST RD., TAIPEI, TAIWAN 106, CHINA China (72)Name of Inventor:  1)YANG KUOHUANG
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A portable excrement bag comprises a bag body (10). A bag opening (12) is provided at the top portion of the bag body (10). Two connecting devices (14) are provided on two sides of the bag opening (12) respectively and a user can secure two fingers on two sides of the bag opening (12) by use of the connecting devices so as to control the position or the size of the bag opening (12). The side of each connecting device (14) for affixing the finger thereto is coated with adhesive so as to secure two fingers on two sides of the bag opening (12) more effectively. A snap lock fastener (16) can be provided at the top portion of the bag body (10) near the bag opening (12) to seal the bag body (10). The bottom of the bag body (10) is provided with an opening (18) through which the contents in the bag body (10) can be discharged. A switch (20) can be provided at the opening (18) to control discharge of the contents. A duct (22) connected with the opening (18) can be provided at the opening (18) to direct the contents outwards. The user can use the portable excrement bag in a standing position where a toilet is unavailable, and can bring away the excrement bag after sealing it. The portable excrement bag can be used in the hospitals for collecting urine and feces of the patients.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MOUNTING FEATURE FOR THE CONTACT ARRAY OF AN ELECTRICAL CONNECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:H01R 24/58 :12/685,347 :11/01/2010 :U.S.A. :PCT/US2011/000023 :06/01/2011 :WO 2011/084889 :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS CORPORATION Address of Applicant:1050 WESTLAKES DRIVE, BERWYN, PENNSYLVANIA 19312, UNITED STATES OF AMERICA, U.S.A. (72)Name of Inventor: 1)PEPE, PAUL JOHN 2)BOPP, STEVEN RICHARD
(61) Patent of Addition to Application		, ,
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A contact sub-assembly (110) is provided for an electrical connector (100). The contact sub-assembly (110) includes a base (130) having a mounting opening (138), and an array of mating contacts (118). Each mating contact (118) includes a mating interface (120). A support block (134) extends a length along a central longitudinal axis. Openings (220) extend through the support block (134). The openings (220) are spaced apart from one another along the length of the support block (134). The mating contacts (118) extend through corresponding openings (220). A mounting post (136) extends outwardly from the support block (134) in a direction that is non-parallel to the central longitudinal axis of the support block (134). The mounting post (136) is received within the mounting opening (138) of the base (130).

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

(21) Application No.789/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MANUALLY CONTROLLED STAIR CLIMBING AID FOR LUGGAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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) District and to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA Delhi India (72)Name of Inventor: 1)SHASHI PODDAR 2)DEEWAKAR SHARMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a manually controlled stair climbing aid for luggage. It provides a mechanism that can allow the suitcase to be pulled up or down a flight of stairs without being carried or lifted up. More particularly the invention relates to a judicious arrangement of plurality of wheels to avoid a jerky motion. The telescopic handle armed with spring pulled internal gear locking mechanism facilitates its positioning at various angles while the slider assembly restrains the free motion of the luggage during descent/ ascent.

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

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ANIONIC POLYMERIZATION METHODS FOR PRODUCING FUNCTIONALIZED POLYMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:c08c 19/44 :61/264,279 :25/11/2009 :U.S.A. :PCT/US2010/058027 :24/11/2010 :WO 2011/066405 :NA :NA :NA	(71)Name of Applicant:  1)BRIDGESTONE CORPORATION Address of Applicant: 10-1, KYOBASHI, 1-CHOME, CHUO-KU, TOKYO 104-8340, JAPAN Japan (72)Name of Inventor: 1)TERRENCE E. HOGAN 2)MARIA TALLMAN 3)WILLIAM L. HERGENROTHER 4)KENJI NAKATANI
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#### (57) Abstract:

A process for producing functional polymer, the process comprising the steps of reacting an anionic initiator including a functional group with a stabilizing monomer to produce a stabilized initiator, reacting the stabilized initiator with monomer capable of being anionically polymerized to produce a polymer, and terminating the polymer.

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

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: COIL SECTION ASSEMBLY FOR SIMULATING CIRCULAR COILS FOR VACUUM 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>	:61/262,965 :20/11/2009 :U.S.A.	(71)Name of Applicant:  1)OERLIKON TRADING AG, TRUBBACH Address of Applicant: HAUPTSTRASSE, 9477 TRUBBACH, SWITZERLAND Switzerland (72)Name of Inventor: 1)SIEGFRIED KRASSNITZER
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#### (57) Abstract:

The invention relates to a vacuum treatment chamber, comprising a coil arrangement for generating a magnetic field in the chamber, wherein the coil assembly comprises at least one first coil section and a second coil section. The first coil section and the second coil section are disposed in cross-section side by side, preferably in one plane, such that at least a partial section of the first coil substantially follows the course of a partial section of the second coil, wherein the spacing of the first partial section fi-om the second partial section is at least one order of magnitude smaller than the cross-section of the optionally smaller coil section.

No. of Pages: 12 No. of Claims: 6

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR PRODUCING A LED LAMP, LED LAMP OBTAINED BY SAID METHOD , AND RADIATOR FOR SAID 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:03/12/2009 :WO 2011/068431 :NA :NA	(71)Name of Applicant:  1)SOCIETY WITH LIMITED LIABILITY DIS PLUS Address of Applicant: UL. 16-AYA PARKOVAYA, 26 MOSCOW, 105484 RUSSIA (RU) Russia (72)Name of Inventor: 1)SOKOLOV, YURIY BORISOVICH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The method for LED lamp manufacture including the manufacture of light emitting sheii with simultaneous formation of discrete latches on its remote surface; manufacture of adapter sleeve with simultaneous formation of discrete latches on its surface; board of cluster of emitting sources is positioned on side panel of hollow heat sink and fixed with collet latch; formation of col: a: around the side panel perimeter; formation of light emitting shell clamps on the collar; formation of single-axis apertures on side panel, formation of slots on body and projections on inner conical surface of heat sink cavity, the projections are being formed to allow their connection with discrete latches oi adapLer sleeve; formation of guide grooves on heat sink cavity inner surface allowing the installation of ele.ctronic converter board; fixing of LighL emitting shell latches on side panel collar; fixing of adapter sleeve latches on projections of inner surface of conical cavity of heat sink body; positioning and fixing of power supply connecting unit on adapter sleeve

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

(21) Application No.6210/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/07/2012 (43) Publication Date : 25/09/2015

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

(51) International classification	:B27B	(71)Name of Applicant:
(31) Priority Document No	:2009-282890	1)BANDO CHEMICAL INDUSTRIES LTD.
(32) Priority Date	:14/12/2009	Address of Applicant :6-6 Minatojima Minamimachi 4-
(33) Name of priority country	:Japan	chome Chuo-ku Kobe-shi Hyogo 650-0047 Japan Japan
(86) International Application No	:PCT/JP2010/006772	(72)Name of Inventor:
Filing Date	:18/11/2010	1)Hiroyuki SHIRIIKE
(87) International Publication No	: NA	
<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:

A friction drive belt (B) includes a compression rubber layer (11) which is provided on an inner periphery of a belt body (10) and transmits power between pulleys upon coming into contact with the pulleys. The compression rubber layer (11) includes a surface rubber layer (11a) having numerous pores (16) on a pulley contact surface and an inner rubber layer (11b) which is provided toward an inside of the belt relative to the surface rubber layer (11a) and whose storage modulus at 25C in a belt length direction is higher than that of the surface rubber layer (11a) and is in the range from 30 to 50 MPa.

No. of Pages: 46 No. of Claims: 14

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : TWO STAGE PYROLYSIS CUM CONTROLLED INCINERATION DEVICE AND PROCESS FOR THE CONVERSION OF LEATHER SOLID WASTE USING THE SAME

(51) International classification :F230 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA Delhi India (72)Name of Inventor: 1)GANESAN SEKARAN 2)CHELLIAH PILLAI SETHURAMAN 3)KOTA SRINIVAS 4)ARUMUGAM GNANAMANI 5)MANDAL ASIT BARAN 6)PAWAN KAPUR
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#### (57) Abstract:

The present invention discloses two stage pyrolysis cum controlled incineration device and process for the conversion of leather solid waste using the same. The present invention further relates to a device to generate clean gaseous fuel and other useful by products such as hexavalent chromium (Cr VI) free carbon residual or residual inorganic ash, fractionated condensate oil and the subproducts to be obtained from fractionated condensate oil are carbon-bonded suHhydryl aromatic non aqueous diesel Uke distillate, ammonium carbonate and ammonia, nitrogen enriched aqueous distillate from chromium impregnated leather solid wastes.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IMPROVED CONSTRUCTION OF SURVEILLANCE CAMERA

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47J31/46 :100223823 :16/12/2011	,
(33) Name of priority country	:Taiwan	Taipei City 114 Taiwan (R.O.C) Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Min-Chieh Hsu
(87) International Publication 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 an improved surveillance camera mainly comprising of the surveillance camera body and with at least one side of this surveillance camera body having a display module and at least one side of the surveillance camera body having a light emitting module and this display module can be a LCD LED or OLED display. Through the above construction method the actions of the light emitting module can clearly show the installation position of the surveillance camera and it can be understood if the surveillance camera body is operating correctly and the attached display module can effectively deter unauthorized people advertise the results inform of the status and transmit messages thereby increasing the practicality of the surveillance camera.

No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DEVICE AND METHOD FOR THE COMBUSTION OF SULFUR AND SULFURIC 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 Filing Date</li> </ul>	:C01B 17/54 :09014862.8 :01/12/2009 :EUROPEAN UNION :PCT/EP2010/066306 :28/12/2010 :WO 2011/067044 :NA :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: CREATIVE CAMPUS MONHEIM BLDG. 4865, ALFRED-NOBEL-STR. 10, D 40789 MONHEIM, GERMANY Germany (72)Name of Inventor: 1)DIETER FORTSCH 2)MARTIN KURTEN
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to a process and a device for the combustion of sulphur and/or sulphur-containing compounds, with formation of sulphur dioxide.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CIRCULAR STAPLER INTRODUCER WITH RIGID DISTAL END PORTION

(51) International classification	:A61B 17/068	(71)Name of Applicant:
(31) Priority Document No	:12/621,688	1)ETHICON ENDO-SURGERY, INC.
(32) Priority Date	:19/11/2009	Address of Applicant :4545 CREEK ROAD, CINCINNATI,
(33) Name of priority country	:U.S.A.	OH 45242, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT/US2010/057115	(72)Name of Inventor:
Filing Date	:17/11/2010	1)CHESTER O. BAXTER, III
(87) International Publication No	:WO 2011/063051	2)JOHN V. HUNT
(61) Patent of Addition to Application	:NA	3)DANIUS P. SILKAITIS
Number	:NA	4)JEFFREY P. WILEY
Filing Date	.IVA	5)PAUL T. FRANER
(62) Divisional to Application Number	:NA	6)JOHN B. SCHULTE
Filing Date	:NA	7)DANIEL J. ABBOTT

#### (57) Abstract:

Introducers for introducing a surgical circular stapler into a patient. Various embodiments comprise a hollow flexible sheath that has a distal end and an open proximal end that is sized to receive a stapling head portion of the circular stapler therein. A rigid cap assembly is attached to the distal end of the hollow flexible sheath. The rigid cap assembly may be configured to selectively move between a closed position wherein a distal face of the stapling head is covered when inserted therein and an open position wherein the cap assembly may be withdrawn from around the stapling head and elongated shaft. A release arrangement interfaces with the rigid cap assembly such that upon an application of a release motion thereto, the rigid cap is movable from the closed position to the open position.

No. of Pages: 49 No. of Claims: 20

(21) Application No.786/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A NOVEL COMPOSITION USEFUL FOR THE REMOVAL OF HAZARDOUS SUBSTANCES FROM LEATHER AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:C12N	(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)SETHURAJAN SURESH
(61) Patent of Addition to Application Number	:NA	2)GOVINDASAMY JOTHI
Filing Date	:NA	3)RAMAJEEVAN GANESHJEEVAN
(62) Divisional to Application Number	:NA	4)CHELLAPPA MURALIDHARAN
Filing Date	:NA	5)MANDAL ASIT BARAN

#### (57) Abstract:

Disclosed herein is a novel composition comprising sulfate ester, amine and sugar for treating post tanned wet processed leather, whereby the conventional hazardous substances present in leather are eliminated. A process for preparing the said composition is also disclosed. The invention is envisaged to have wide application in leather processing industry for making non-hazardous, eco-friendly and safe leather.

No. of Pages: 11 No. of Claims: 6

(21) Application No.818/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : THERAPEUTIC METHODS AND COMPOSITIONS FOR TREATING DIABETES UTILIZING DITERPENOID 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</li></ul>	:B05B :NA :NA :NA :NA	(71)Name of Applicant:  1)Orient Europharma Co., Ltd Address of Applicant: 7F, No. 368, Sec. 1, Fu-Hsing S. Road, Taipei 10656, Taiwan, Republic of China Taiwan (72)Name of Inventor:
Filing Date  (87) International Publication No  (61) Patent of Addition to Application Number  Filing Date  (62) Divisional to Application Number  Filing Date	:NA : NA :NA :NA :NA :NA	1)SU, Ming-Jai 2)LEE, Shoei-Sheng

#### (57) Abstract:

The present invention is directed to therapeutic methods and compositions for treating insulin resistant diabetes or diabetes with inflammation in a subject comprising administering an effective amount of borapetoside A, or a pharmaceutically acceptable salt, metabolite, solvate or prodrug thereof, to said subject.

No. of Pages: 42 No. of Claims: 14

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ELECTRONIC DEVICE AND METHOD FOR MANAGING MODES OF THE 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>	:A61B :NA :NA :NA	(71)Name of Applicant:  1)MOTOROLA MOBILITY LLC Address of Applicant: 222 W. Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, USA U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)RAGHAVA ADITYA NUKALA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus and a method in an electronic device for managing modes are disclosed herewith. The electronic device retrieves a meeting time from a meeting event stored in a scheduling application of the electronic device. The electronic device further identifies connectivity identification information from the meeting event and changes the operating mode to a meeting mode in response to detecting usage of the connectivity identification information at the electronic device during the meeting time. The scheduling application may be a calendar application, notes, tasks, reminders, etc. The connectivity identification information may be a conference call number, a user identification information, a video conference, or a web link to a virtual meeting.

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

(21) Application No.6290/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: APPARATUS AND METHOD FOR CONTROLLING A VEHICLE

:F02D11/02,B60W10/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)TOYOTA JIDOSHA KABUSHIKI KAISHA :2010008535 (32) Priority Date :18/01/2010 Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 (33) Name of priority country :Japan 8571 Japan (86) International Application No (72) Name of Inventor: :PCT/IB2011/000003 Filing Date :04/01/2011 1)MATSUSHITA Koki (87) International Publication No :WO 2011/086442 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

In vehicle running control that at the time of controlling driving force determines whether an operating speed that is a speed at which a driver operates an accelerator operator (10) is higher than or equal to a threshold and that changes details of control over the driving force on the basis of a result of the determination the threshold is set on the basis of operation information other than the operating speed of the accelerator operator (10) within information related to operation of the accelerator operator (10). In the vehicle running control at the time of controlling the driving force details of control over the driving force are changed on the basis of the operating speed that is the speed at which the driver operates the accelerator operator (10) and a stroke amount that is an operation amount of the accelerator operator (10) when the driver has operated the accelerator operator (10).

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

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: BLOOD PRESSURE SYSTEM FOR DISPLAYING THE NAME OF A DISEASE

(51) International :A61B5/02,A61B5/0205,A61B5/022 classification

(31) Priority Document No :1020100008290 (32) Priority Date :29/01/2010 (33) Name of priority country: Republic of Korea

(86) International :PCT/KR2010/005947

Application No :02/09/2010 Filing Date

(87) International Publication :WO 2011/093569

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

Filing Date (62) Divisional to :NA **Application Number** :NA (71) Name of Applicant: 1)LEE Byung Hoon

Address of Applicant: 7 402 Jin Heung Apt. 65 Cheongdam

dong Gangnam gu Seoul 135 953 Republic of Korea

(72) Name of Inventor: 1)LEE Byung Hoon

#### (57) Abstract:

Filing Date

The present invention relates to a blood pressure system for displaying the name of a disease. The blood pressure system comprises: a cuff pressure controller which controls the air pressure of a cuff for measuring blood pressure a blood pressure measuring unit including a pressure sensor for measurement of blood pressure; a pulse measuring unit including a pulse wave sensor for measurement of pulse; and a Central Processing Unit (CPU) which computes data outputted respectively from the blood pressure measuring unit and the pulse measuring unit displays blood pressure measurements such as normal blood pressure hypertension and hypotension and pulse measurements such as a regular pulse an irregular pulse tachycardia and bradycardia with text messages and stores and transmits the data at the same time. The blood pressure system indicates detailed information about a cardiac disorder measuring blood pressure to help the public to manage health at home or at the workplace if abnormal signs are found in the measurement of blood pressure provides data to a doctor by remote transmission to promptly give the accurate diagnosis of a medical specialist to the public and thus is very helpful in prevention and treatment of a heart disease and contributes to promoting health to mankind.

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

(21) Application No.6292/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: PYRIDAZINE DERIVATIVES PROCESSES FOR THEIR PREPARATION AND THEIR USE AS **FUNGICIDES**

(51) International :C07D237/12,C07D237/14,C07D307/58

classification

(31) Priority Document :10152669.7

:04/02/2010 (32) Priority Date

(33) Name of priority

:EPO country

(86) International

:PCT/EP2011/051341 Application No :01/02/2011

Filing Date

(87) International

:WO 2011/095461 **Publication No** 

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

**Application Number** :NA Filing Date

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72) Name of Inventor:

1)TRAH Stephan

2)LAMBERTH Clemens

## (57) Abstract:

The present invention relates to novel pyridazine derivatives of formula (I) wherein R is methyl or ethyl; R is H or chloro; R is fluoro or chloro; R is fluoro or methoxy; and Ris chloro or methoxy or an agrochemically usable salt from thereof as active ingredients which have microbiodidal activity in particular fungicidal activity.

No. of Pages: 42 No. of Claims: 13

(21) Application No.6293/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: ORAL CARE PRODUCT FOR SENSITIVE ENAMEL CARE

(51) International classification :A61Q11/00,A61K8/27,A61K8/81 (71)Name of Applicant : (31) Priority Document No :61/299637 (32) Priority Date :29/01/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/022875

:28/01/2011 Filing Date

(87) International Publication :WO 2011/094505

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

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

1) COLGATE PALMOLIVE COMPANY

Address of Applicant :300 Park Avenue New York New York

10022 U.S.A.

(72) Name of Inventor:

1)PILCH Shira

2)MASTERS James Gerard

3)LU Zhi

4)MIKSA Davide

5)PORTER Venda

## (57) Abstract:

Disclosed are anti erosion oral care formulations and methods that provide erosion protection while maintaining adequate cleaning performance. The anti erosion oral care formulations include a mucoadhesive polymer and a zinc compound or salt that becomes more soluble at acidic pH.

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

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DEVICES AND METHODS FOR SELECTIVE ENABLEMENT OF DATA COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MOTOROLA MOBILITY LLC Address of Applicant:222 W. Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, USA U.S.A. (72)Name of Inventor: 1)ABHILASH RAMAKRISHNA 2)BASAVARAJ V. SAMPAGANVA
<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:

A communication device includes a communication circuit, one or more processors operable with the communication circuit, and one or more memory devices to store one or more applications. The one or more processors can enable data messaging communication through the communication circuit and disable other data communication through the communication circuit. A data message can be received indicating a request to enable at least data communication with at least one application to deliver a payload to the application. In response to receipt of the data message, data communication can be enabled with the application to receive the payload. After receipt of the payload, data communication with the application can again be disabled.

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

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TOOL MAGAZINE AND MACHINING CENTER

(51) International classification	:B23Q 3/157	(71)Name of Applicant:
(31) Priority Document No	:2009-262984	1)KOMATSU NTC LTD.
(32) Priority Date	:18/11/2009	Address of Applicant :100 FUKUNO, NANTO-CITY,
(33) Name of priority country	:Japan	TOYAMA 9391595 (JP) Japan
(86) International Application No	:PCT/JP2010/070452	(72)Name of Inventor:
Filing Date	:17/11/2010	1)HAYASHI JUNICHI
(87) International Publication No	:WO 2011/062177	2)KAMIKONYA FUMIHIRO
(61) Patent of Addition to Application	:NA	3)HASEGAWA YASUO
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A tool magazine that can make a long tool reasonably coexist with other tools and a machining center with the tool magazine are provided. The tool magazine has a rotatable magazine main body and plural of tool holders installed on the magazine main body. Each of the tool holders moves to a tool exchange position sequentially. A part or all of the tool holders has a capability of changing between an exchange posture that holds the tool in parallel to a rotation shaft of the magazine main body and a transport posture that holds the tool along with a plane perpendicular to the rotation shaft of the magazine main body. The tool holder capable of changing postures takes the exchange posture when it locates in the tool exchange position and takes the transport posture when it leave the exchange position. The machining center has the above tool magazine.

No. of Pages: 27 No. of Claims: 4

(22) Date of filing of Application :02/07/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : STOMATA-INCREASING AGENT POLYPEPTIDE METHOD FOR INCREASING NUMBER AND/OR DENSITY OF STOMATA IN PLANT AND METHOD FOR INCREASING YIELD 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> <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>	:07/12/2010 :WO 2011/071050 :NA :NA :NA	(71)Name of Applicant:  1)Kyoto University Address of Applicant: 36-1 Yoshida-honmachi Sakyo-ku Kyoto-shi Kyoto 6068501 Japan Japan (72)Name of Inventor: 1)NISHIMURA Ikuko 2)SUGANO Shigeo 3)SHIMADA Tomoo
Filing Date	:NA	

## (57) Abstract:

A stomata-increasing agent containing a compound capable of increasing the number and/or density of stomata in a plant a polypeptide containing the amino acid sequence shown in SEQ ID NO: 6 or a variant thereof a method for increasing the number and/or density of stomata in a plant and a method for increasing the yield of a plant are provided.

No. of Pages: 166 No. of Claims: 6

(21) Application No.6322/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PRINTHEAD INCLUDING PORT AFTER FILTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A47J :12/712,248 :25/02/2010 :U.S.A. :PCT/US2011/025630 :22/02/2011 :WO 2011/106290 :NA :NA	(71)Name of Applicant:  1)EASTMAN KODAK COMPANY Address of Applicant: 343 State Street Rochester NY 14650-2201 U.S.A.  (72)Name of Inventor: 1)KATHLEEN MICHELLE VAETH 2)JOHN C BRAZAS 3)DAVID LOUIS JEANMAIRE
ě .		
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A printhead includes a liquid source, a first substrate, a filter, and a liquid chamber. Portions of the first substrate define a nozzle adapted to emit liquid from the liquid source. The liquid chamber includes a port. The liquid chamber is in fluid communication with the nozzle and the filter and is positioned between the first substrate and the filter.

No. of Pages: 45 No. of Claims: 15

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention: MULTIFUNCTIONAL RADIOMETER, HOSPITAL EQUIPMENT, MULTIUSE MEASUREMENT TOOL, SYSTEM AND METHOD FOR MEASURING IRRADIANCE IN PHOTOTHERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A61N 5/06 :PI0904575-9 :30/11/2009 :Brazil :PCT/BR2010/000280 :31/08/2010 :WO 2011/063481 :NA :NA :NA	(71)Name of Applicant:  1)RODRIGUES DJALMA LUIZ  Address of Applicant: AVENIDA GENERAL ATALIBA LEONEL, 1790, CAIXA POSTAL 2836, 02033-020, SAO PAULO SP, BR-BRASIL Brazil  2)ROSSI FILHO ORLANDO (72)Name of Inventor:  1)RODRIGUES DJALMA LUIZ  2)ROSSI FILHO ORLANDO
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#### (57) Abstract:

The present invention refers to a multifunctional radiometer hav-ing at least onen optical sensor (7), capable of allowing conversion of the incident light into an electrical sign, comprising at least: one selection key capable of allowing the selection of a type of luminous source (2) whose irra-diance is wished to be measured; and one control unit (4) operatively con-nected to the optical sensor (7) and to the selection key, the control unit (4) being configured to calculate at least one irradiance value from a data origi¬nated from the optical sensor (7) and from a command originated from the selection key. The present invention also refers to a method for measuring irra¬diance in phototherapy, comprising the steps of i) selecting a type of lumin¬ous source (2) whose irradiance Is wished to be measured (unprecedented fact In this type of tool, once It is necessary distinct calibrations for different types of spectral light source); ii) capturing light emitted by the luminous source (2); iii) converting the light captured In step ii into an electrical sign; and iv) calculating at least one irradiance value from the type of luminous source selected in step i and from the electrical sign obtained in step iii. The present invention further refers to a system, to a hospital equipment and to a multiuse measurement tool (10) capable of implementing the method abovementioned.

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INVERSE EMULSIONS COMPRISING AN ALKOXYLATED ESTER 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>	:A61K 8/06 :0922624.2 :24/12/2009 :U.K. :PCT/GB2010/002307 :22/12/2010 :WO 2011/077083 :NA :NA :NA	(71)Name of Applicant:  1)CRODA INTERNATIONAL PLC Address of Applicant: COWICK HALL, SNAITH, GOOLE, NORTH HUMBERSIDE DN14 9AA, UNITED KINGDOM U.K. (72)Name of Inventor: 1)KIM MOIRA CARMICHAEL 2)ADAM JOHN LIMER 3)PATRICK JAMES COLVER 4)SURINDER PALL CHAHAL
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### (57) Abstract:

Inverse emulsions made by inverse emulsion polymerisation have a disperse aqueous phase comprising a solution or dispersion of at least one water soluble polymer, particularly a polymer that forms a viscous solution or dispersion in water, and a continuous oil phase which is or includes an ester oil including an alkoxylated alcohol group. The inclusion of ester oil including an alkoxylated alcohol group provides these oils in emulsions, particularly personal care emulsions made by inversion of the inverse emulsions on dilution with water.

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

(21) Application No.11110/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: EVALUATING APPLICATION COMPATIBILITY

(51) International classification	:G06F15/16,G06F17/00	(71)Name of Applicant:
(31) Priority Document No	:13/540045	1)AMAZON TECHNOLOGIES INC.
(32) Priority Date	:02/07/2012	Address of Applicant :P.O. Box 81226 Seattle WA 98108
(33) Name of priority country	:U.S.A.	1226 U.S.A.
(86) International Application No	:PCT/US2013/048852	(72)Name of Inventor:
Filing Date	:01/07/2013	1)GILL Sunbir
(87) International Publication No	:WO 2014/008152	2)RAJAGOPALAN Krishna K.
(61) Patent of Addition to Application	:NA	3)JONES Matthew A.
Number	:NA	4)KO Kenneth Chung Kay
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed are various embodiments for evaluating application compatibility with computing devices. A set of applications is determined and then filtered to exclude those applications which are incompatible with a particular client. The filtering is performed by determining a capability set for the client and performing an evaluation of a compatibility expression for each application using the capability set to determine whether each application is compatible with the client. The filtered set of applications is returned and may be used in user interfaces associated with an application marketplace system.

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

(21) Application No.2997/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/04/2015 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HEAT TREATED PRECIPITATED SILICA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/722554 :05/11/2012 :U.S.A. :PCT/US2013/068248 :04/11/2013 :WO 2014/071284	(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)DECKNER, George Endel 2)DOLAN Lawrence Edward
	:NA :NA :NA :NA	2)DOLAN Lawrence Edward

# (57) Abstract:

Process for heat treating precipitated silica to improve stability. Oral care compositions comprising such heat treated precipitated silica abrasives and a stannous ion source.

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

(21) Application No.2999/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/04/2015 (43) Publication Date: 25/09/2015

## (54) Title of the invention: PHARMACEUTICAL FORMULATION COMPRISING CICLESONIDE

(51) International :A61K31/573,A61K9/00,A61P11/00

classification

(31) Priority Document No :12199302.6 (32) Priority Date :21/12/2012 (33) Name of priority country: EPO

(86) International

:PCT/EP2013/077266 Application No :18/12/2013

Filing Date

(87) International Publication :WO 2014/096116

(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 VETMEDICA GMBH

Address of Applicant :Binger Strae 173, 55216 Ingelheim Am

Rhein Germany

(72)Name of Inventor: 1)AVEN, Michael 2)ALBRECHT, Balazs 3)FRANZMANN, Benjamin 4) HAUSMANN, Matthias

5)LAMAR "Janine 6)LANG, Ingo

#### (57) Abstract:

The invention relates to the field of medicine, in particular to the field of veterinary medicine. The invention relates to a pharmaceutical (medicament) formulation of glucocorticoids, especially ciclesonide or a pharmaceutically acceptable derivative thereof.

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A METHOD OF USING A TRACER TO DETERMINE THE OCCURRENCE OF DILUTION AND/OR VERIFY THE SOURCE OF A REFRIGERATION/HEATING FLUID

(51) International classification :C09K 5/00
(31) Priority Document No :60/548,085
(32) Priority Date :26/02/2004
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2005/005595 Filing Date :23/02/2005 (87) International Publication No :WO 2005/083027

(87) International Publication No :WO 200 (61) Patent of Addition to Application :NA

Number :NA
Filing Date :NA
(62) Divisional to Application Number :4735/delnp/2006

(62) Divisional to Application Number Filed on

(71)Name of Applicant:

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

Address of Applicant :1007 MARKET STREET,

WILMINGTON, DELAWARE 19898, UNITED STATES OF AMERICA, U.S.A.

(72)Name of Inventor:

1)THOMAS JOSEPH LECK 2)STUART CHESTER BRICKER 3)ALLEN CAPRON SIEVERT

#### (57) Abstract:

A method of using a tracer to determine the occurrence of dilution and/or to verify the source of a refrigeration/heating fluid, comprising: combining up to 1000 ppm of a tracer, said tracer being analytically detectable and selected from the group consisting of hydrofluorocarbons, deuterated hydrofluorocarbons, deuterated hydrocarbons, perfluorocarbons, fluoroethers, brominated compounds, iodated compounds, nitrous oxide and combinations thereof, with said refrigeration/heating fluid to form a tracer-containing composition, with the proviso that said refrigeration/heating fluid is different from said tracer and comprises a hydrofluorocarbon, hydrochlorofluorocarbon, perfluorocarbon, fluorocarbon ether, carbon dioxide, ammonia or mixture thereof; detecting the presence of said tracer; andwhen the source is being verified, verifying that the tracer detected corresponds to the tracer combined with said refrigeration/heating fluid; and when dilution is being determined, determining that the tracer detected is present in a lesser quantity than originally added to said refrigeration/heating fluid.

:18/08/2006

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

(21) Application No.6254/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: CONCRETE REINFORCED WITH HYBRID NANOMATERIALS

(51) International classification: C04B16/12, C04B28/00, C04B7/02 (71) Name of Applicant: :MX/a/2009/013931 (31) Priority Document No

(32) Priority Date :17/12/2009

(33) Name of priority country :Mexico

(86) International Application :PCT/MX2010/000153

:13/12/2010 Filing Date

(87) International Publication :WO 2011/074930

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

(62) Divisional to Application :NA Number :NA

:NA

Filing Date

1)URBANIZACIONES INMOBILIARIAS DEL CENTRO

S. A. DE C. V.

Address of Applicant : Circuito Alamos 51 Col. Alamos 2a.

Secci<sup>3</sup>n CP. 76160 Quertaro Mexico

(72) Name of Inventor:

1)SOTO MONTOYA Jos Antonio 2) MARTINEZ ALANIS Mauricio

3)TERRONES MALDONADO Mauricio 4)TERRONES MALDONADO Humberto

5)RAM • REZ GONZ • LEZ Daniel

### (57) Abstract:

Concrete reinforced with nanostructures comprising cement and a dispersion including water a surfactant carbon nanotubes having on the external surfaces thereof carbon atoms substituted by atoms of another element and carbon nanotubes possessing chemical groups on the surface thereof.

No. of Pages: 32 No. of Claims: 12

(21) Application No.6242/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYNERGISTIC HERBICIDAL COMPOSITION CONTAINING AMINOPYRALID AND 2 4-DICHLOROPHENOXYACETIC ACID $\bullet$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/299,517 :29/01/2010 :U.S.A. :PCT/US2011/022690 :27/01/2011 : 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)NELSON CARRANZA GARZON
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An herbicidal composition containing (a) aminopyralid and (b) 2,4-D provides synergistic control of selected broadleaf weeds.

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

(21) Application No.6243/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR PRODUCTION OF CHROMATOGRAPHY MEDIA •

<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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:16/02/2011 : NA :NA :NA :NA	Address of Applicant :Patent Department Bjrkgatan 30 S-751 84 Uppsala Sweden (72)Name of Inventor :  1)JAN BERGSTR-M 2)BO-LENNART JOHANSSON
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a method of producing novel chromatography media and use thereof for purification ofbiomolecules, such as proteins. The chromatography media comprises shell beads having an inner porous core and an outer shell. The method comprises providing buffering ligands in the core of the beads, and providing binding ligands aimed for biomolecule binding in the outer shell of the beads. This method makes it possible to optimize binding properties and buffering properties independently of each other which is especially advantageous for production of chroma to focusing media.

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

(21) Application No.6244/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A METHOD OF DETECTING A CLUTTER RETURN AT A SENSOR

(51) International classification	:G01N	(71)Name of Applicant:
(31) Priority Document No	:10250020.4	1)BAE SYSTEMS plc
(32) Priority Date	:07/01/2010	Address of Applicant :6 Carlton Gardens London SW1Y
(33) Name of priority country	:EPO	5AD U.K.
(86) International Application No	:PCT/GB2010/052173	(72)Name of Inventor:
Filing Date	:21/12/2010	1)PHILIP TREVELYAN EDWARDS
(87) International Publication No	:WO 2011/083301	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is disclosed a method for counteracting the effect which crags and other such environmental formations can have on radar returns or returns in similar sensor systems. In particular it has been found that the gaps between crags can lead to false detections because of firstly the function of certain signal processors which compare the high frequency return from a certain cell to a low frequency return from that cell, and secondly the effect of smearing of the returns from one cell to another. The invention seeks to mitigate this effect by selecting the maximum low frequency return from a group of range cells as the high frequency offset.

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

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DISPERSION AND RETRIEVAL OF DE-BUNDLED NANOTUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :61/297,986 :25/01/2010 :U.S.A. :PCT/US2010/062244 :28/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)THE TEXAS A&M UNIVERSITY SYSTEM Address of Applicant:3369 Tamu College Station Texas 77843-3369 U.S.A.  2)KANEKA TEXAS CORPORATION (72)Name of Inventor: 1)HUNG-JUE SUE 2)XI ZHANG 3)RIICHI NISHIMURA
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#### (57) Abstract:

A method for dispersing nanotubes, comprising forming a nanocomposite solution, having associated nanotubes and nanoplatelets, mixing a surfactant to the nanocomposite solution, separating the nanocomposite in solution, wherein the nanotubes remain suspended in the surfactant solution, and isolating the nanotubes in solution. In certain instances, the method further comprises functionalizing the nanotubes in solution.

No. of Pages: 52 No. of Claims: 22

(22) Date of filing of Application :30/05/2003 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BINDER RESIN FOR TONER AND TONER

	.0001	(71) Name of Applicant
(51) International classification	:C08L	(71)Name of Applicant:
	45/00	1)MITSUI CHEMICALS, INC
(31) Priority Document No	:2002-	Address of Applicant :2-5, KASUMIGASEKI 3-CHOME,
(20) P. I. I. P.	160831	CHIYODA-KU, TOKYO, JAPAN. Japan
(32) Priority Date		(72)Name of Inventor:
(33) Name of priority country	:Japan	1)TOMOYA TERAUCHI
(86) International Application No	:NA	2)HIROTAKA UOSAKI
Filing Date	:NA	3)HIROSHI MATSUOKA
(87) International Publication No	:NA	4)YUJI EMURA
(61) Patent of Addition to Application Number	:NA	5)HIROYUKI TAKEI
Filing Date	:NA	6)HIRONOBU HASHIMOTO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A binder resin for a toner comprises a polyester component having a specific structure which is not soluble in tetrahydrofuran, and a polyester component having a specific branched structure which is soluble in tetrahydrofuran. The binder resin can provide a toner which is superior in low-temperature fixation and offset resistance and can be used in high speed printing in response to the recent market demands owing to its specific structure.

No. of Pages: 49 No. of Claims: 9

(21) Application No.6207/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ERGONOMIC SERVICE UNIT FOR BEVERAGE PREPARATION MACHINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:12/01/2011 :WO 2011/086087 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)M-RI Peter 2)CAHEN Antoine 3)SCHNYDER Frank
Filing Date	:NA :NA	

#### (57) Abstract:

A beverage preparation machine comprises: a) a seat (5); b) a service unit (20 30) in the seat for storing waste material the service unit being insertable manually into the seat into a collection position for collecting waste material such as waste liquid and/or waste beverage ingredient optionally contained in a pre portioned ingredient capsule; and removable in particular manually from the seat for emptying the waste material upon collection thereof in the service unit c) a control means for controlling proper insertion of the service unit in the seat. The control means comprises a touch sensory feed back mechanism (40 50) arranged to indicate to a user an improper insertion of the service unit in the seat.

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

(22) Date of filing of Application :12/07/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR PROVIDING INFORMATION TO A USER FROM A CAPSULE FOR THE PREPARATION OF A BEVERAGE USING A CODE

(51) International :A47J31/36,B65D85/804,G06K19/06 classification

(31) Priority Document No :10151020.4

(32) Priority Date :19/01/2010 (33) Name of priority

:EPO country

(86) International :PCT/EP2011/050323 Application No

:12/01/2011 Filing Date

(87) International

:WO 2011/089049 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)NESTEC S.A.

Address of Applicant : Av. Nestl 55 CH 1800 Vevey

Switzerland

(72) Name of Inventor: 1)ROGNON Vincent 2)EPARS Yann

3)DENISART Jean Luc

# (57) Abstract:

Disclosed is a display device provided with a monolithic gate driver wherein the size and power consumption are reduced without deteriorating the display quality. A drive signal trunk line (71) for transmitting drive signals, such as clock signals, is formed from a source metal (701) on a region which opposes the display region in relation t o a shift regis ter region. A VSS trunk line (73) for transmitting lowlevel D C power supply potential is formed from the source metal (701) on a region between the shift regis ter region and the display region. The drive signal trunk line (71) and a bistable circuit constituting a shift register (410) are connected by means of a drive signal branch line (72) formed: from a gate metal (702). The bistable circuit and the VSS trunk line (73) are connected by means of a VSS branched line (74) formed fixin the source metal (701).

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

(21) Application No.796/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PROCESS FOR THE REHYDRATION OF CRUST LEATHER.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA Delhi India (72)Name of Inventor: 1)VICTOR JOHN SUNDAR 2)CHELLAPPA MURALIDHARAN
Filing Date (62) Divisional to Application Number	:NA :NA :NA	2)CHELLAITA WURALIDHARAN
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an enzymatic process for the rehydration of crust leathers using eco-benign enzymatic products while eliminating formation of harmful substances in leather. The process ensures a reduction of rehydration duration to the extent of 25 to 70 %, thereby resulting in increase in productivity. It is envisaged to have wide applications in leather processing industry as an eco-friendly and effective option for further wet processing of crust leather in aqueous medium especially for the purpose of dyeing of dried crust.

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

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

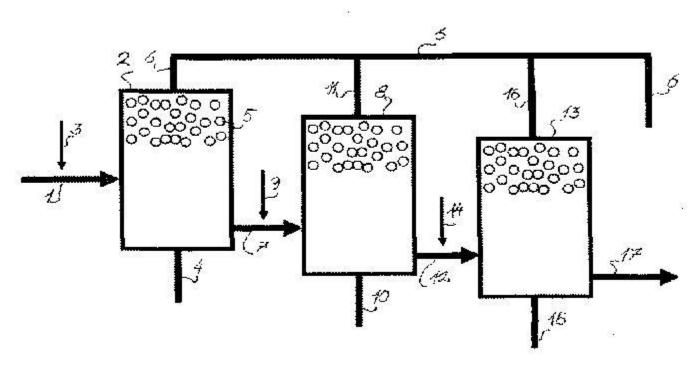
# (54) Title of the invention: METHODS AND COMPOSITIONS FOR COMPLEX BINDING OF METAL IONS

(51) International classification	:C02F 1/24	(71)Name of Applicant:
(31) Priority Document No	:0950954-8	1)CHEMSEQ INTERNATIONAL AB
(32) Priority Date	:11/12/2009	Address of Applicant : AKROKEN SCIENCE PARK, S-851
(33) Name of priority country	:Sweden	70 SUNDSVALL, SWEDEN Sweden
(86) International Application No	:PCT/EP2010/069394	(72)Name of Inventor:
Filing Date	:10/12/2010	1)NORGREN, HANS MAGNUS
(87) International Publication No	:WO 2011/070160	2)HEDENSTROM, STEN ERIK
(61) Patent of Addition to Application	:NA	3)EDLUND, KJELL HAKEN
Number	:NA	4)ANDERSSON, NILS FREDRIK
Filing Date	.11/1	5)HOGBERG, IDA HELENA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides methods for decreasing amounts of metal ions in liquid materials and in porous solid materials surrounded by a liquid, by utilization of sequestering agents that form complexes with said metal ions as well as methods for removing and optionally recovering said metal ions from the complexes. Further, there are provided novel sequestering agents and compositions comprising sequestering agents of the present disclosure.

Figure 1.



No. of Pages: 69 No. of Claims: 49

(21) Application No.798/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A ROBOTIC COOKING 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)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY KANPUR-208016, UP. Uttar Pradesh India (72)Name of Inventor: 1)SUSMIT SEN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This invention relates to a robotic cooking system comprising a robotic manipulator (robot arm) with a controller and motor drive unit, wherein the manipulator having a gripper for holding and operating kitchen tools and is interfaced with ro bo-chef proprietary interface; and the manipulator is provided in communication with a smart phone.

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

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

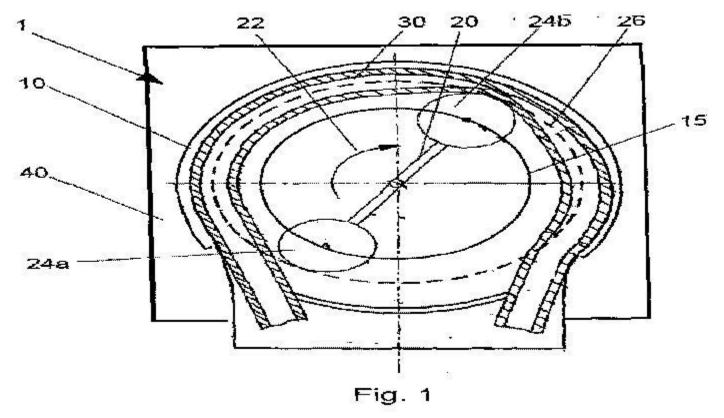
(43) Publication Date: 25/09/2015

# (54) Title of the invention: PERISTALTIC PUMP.

(51) International classification	:A61M 1/10	(71)Name of Applicant:
(31) Priority Document No	:10 2009 046 406.9	1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH
(32) Priority Date	:04/11/2009	Address of Applicant :ELSE-KRONER-STRASSE 1, 61352
(33) Name of priority country	:Germany	BAD HOMBURG, GERMANY Germany
(86) International Application No	:PCT/EP2010/066777	(72)Name of Inventor:
Filing Date	:04/11/2010	1)BRANDI, MATTHIAS
(87) International Publication No	:WO 2011/054890	2)PRINZ, MARTIN
(61) Patent of Addition to Application	:NA	3)PLEINER, FRANZ
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a peristaltic pump for use in medical technology with a stator 40 and a rotor 20, whereby the stator 40 has an occlusion bed 12, which forms the contact area with a tube 30 accommodated within, and the rotor 20 is provided with rolling elements suitable for occluding a tube accommodated between the occlusion bed 12 and the rolling elements 24. The occlusion bed 12 thereby has at least in part an electrically conductive surface for reducing and/or preventing electrostatic charging of the tube 30.



No. of Pages: 14 No. of Claims: 12

(21) Application No.5921/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: FUEL MANAGEMENT SYSTEM AND METHOD

: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></ul>	:G07C5/00,G07C5/08,G06Q50/00 :10151437.0 :22/01/2010 :EPO	(71)Name of Applicant:  1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  Address of Applicant: Carel van Bylandtlaan 30 NL 2596 HR
(86) International Application No Filing Date	:PCT/EP2011/050915 :24/01/2011	The Hague Netherlands (72)Name of Inventor: 1)ADAMS Peter W.
(87) International Publication No	:WO 2011/089251	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application	:NA	

# (57) Abstract:

Filing Date

Number

The present invention provides a system and a method for fuel management. The invention provides an integrated system to generate reports comprising analysis relating to fuel consumption, fuel fraud, C02 emission, driver behaviour, and journey breakdown.

No. of Pages: 37 No. of Claims: 19

(21) Application No.799/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR PROVIDING CAREER OPTIONS RECOMMENDATION

(51) International classification	:F25J (71)N	Name of Applicant :
(31) Priority Document No	:NA 1)S	UNITA BANSAL
(32) Priority Date	:NA A	ddress of Applicant :G-73, SAKET, FIRST FLOOR, NEW
(33) Name of priority country	:NA DEL	HI-10017. Delhi India
(86) International Application No	:NA (72)N	Name of Inventor :
Filing Date	:NA 1)S	UNITA BANSAL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System and method for providing recommendations for career options to a user include: 5 listing a plurality of career options; listing a plurality of parameters, wherein the plurality of parameters comprises at least each one of an aptitude parameter, a behaviour parameter and an interest parameter; providing weightage to each of the plurality of parameters for each of the plurality of career options; assessing a profile score of the user for each of the plurality of parameters; generating a total score for each of the plurality of career options 10 by statistical combination of the profile score of the user and the weightage for each of the plurality of parameters; selecting one or more key parameters from the plurality of parameters; defining a threshold score for each of the selected key parameters; calculating a total threshold score by adding the threshold scores of each of the key parameters; calculating a cumulative score by adding the profile score of the user for each of the key 15 parameters statistical!} combined w ith its respective weightage; multiplying the total score for a career option with a null value if the cumulative score is less than the cumulative score; ranking each of the plurality of career options on the basis of the total score of each of the plurality of career options; and outputting career options to the user on the basis of ranking.

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

(21) Application No.6297/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: LIGHTWEIGHT CEMENT PLATE

(51) International :C04B28/04,C04B28/06,C04B28/10 classification

(31) Priority Document No :1051157

(32) Priority Date :18/02/2010 (33) Name of priority country: France

(86) International Application :PCT/FR2011/050330

No

:16/02/2011 Filing Date

(87) International Publication :WO 2011/101595

(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)LAFARGE

Address of Applicant: 61 rue des Belles Feuilles F 75116 Paris

France

(72) Name of Inventor:

1)REFOUVELET Olivier 2)POUTEAU Nicolas

(57) Abstract:

The present invention relates to a lightweight plate made of foamed cement.

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

(21) Application No.6298/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IDENTIFYING DRY NEBULIZER ELEMENTS

(51) International classification	:A61M11/00	(71)Name of Applicant:
(31) Priority Document No	:61/296306	1)NEKTAR THERAPEUTICS
(32) Priority Date	:19/01/2010	Address of Applicant :201 Industrial Road San Carlos
(33) Name of priority country	:U.S.A.	California 94070 U.S.A.
(86) International Application No	:PCT/US2011/021671	(72)Name of Inventor:
Filing Date	:19/01/2011	1)GORDON Benjamin Morris
(87) International Publication No	:WO 2011/091002	2)GARDNER Steven David
(61) Patent of Addition to Application	:NA	3)PARKER Thomas Edward
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Various arrangements for determining whether a liquid is in contact with a nebulizer element are disclosed. A nebulizer element may be energized with an electrical signal at a measurement frequency. An impedance of the nebulizer element may be measured thereby obtaining a measured impedance value. The impedance value may be compared to a stored impedance value. Based on the comparison it may be determined whether the liquid contacts the nebulizer element.

No. of Pages: 30 No. of Claims: 21

(21) Application No.6299/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ISOTHERMAL AMPLIFICATION OF NUCLEIC ACID USING A MIXTURE OF RANDOMIZED PRIMERS AND SPECIFIC PRIMERS $\bullet$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:08/02/2011 : NA :NA :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: One River Road Schenectady New York 12345 U.S.A. (72)Name of Inventor: 1)JOHN RICHARD NELSON 2)WEI GAO 3)MING ZHAO
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Methods and kits for amplifying a nucleic acid under isothermal conditions to form an amplified nucleic acid sequence are provided. The methods and kits comprises providing a nucleic acid template, a DNA polymerase, deoxyribonucleoside triphosphates, a primer comprising a randomized sequence, and a specific primer, and amplifying the nucleic acid template.

No. of Pages: 50 No. of Claims: 23

(21) Application No.814/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MULTI-FUNCTIONAL SURFACE SOLID SUPPORT

(51) International classification	:C02F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LTMOREAL
(32) Priority Date	:NA	Address of Applicant :14, rue Royale 75008 Paris, France
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GAURAV AGARWAL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a multi-functional surface solid support supporting two or more dry topically acceptable compositions, notably for providing a cosmetic care. More particularly the invention relates to a multi-functional surface solid support (1) supporting two or more dry topically acceptable compositions, wherein said solid support presents at least one functional surface defining n+1 functional areas (10, 20, 30), wherein n is an integer equal or greater than 1, wherein each functional area (10, 20, 30) comprises a topically acceptable composition (11, 21, 31), wherein at least two or more topically acceptable compositions comprise each independently at least one water soluble polymer and at least one topically acceptable ingredient.

No. of Pages: 25 No. of Claims: 14

(21) Application No.830/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HAIR OIL CONDITIONING AGENT

<ul> <li>(51) International classification</li> <li>(31) 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	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland, MI 48674, USA U.S.A. (72)Name of Inventor: 1)MAHESH R. SAWANT
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)SANDEEP S. GADGIL 3)SHAMIT PILLAY 4)REJITH R NAIR
Filing Date	:NA	

# (57) Abstract:

A composition 11avitig three components. The first component is a vegetable oil. The second component is an alipliatic quaternaya rumotiutus alt having from five to twenty carbon atoms and frotom two to six hydroxyl groups. The third compollent is a surfactant package.

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

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : OPTICAL REFLECTOR HAVING SEMI-REFLECTIVE BLADES FOR A POSITION DETECTION DEVICE FOR A HELMET, AND HELMET COMPRISING SUCH 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</li> </ul>	:02/12/2010 :WO 2011/067341 :NA :NA :NA	(71)Name of Applicant:  1)THALES  Address of Applicant: 45 RUE DE VILLIERS, 92200  NEUILLY-SUR-SEINE, FRANCE France (72)Name of Inventor:  1)LAURENT POTIN  2)SIEGFRIED ROUZES  3)JEAN-PIERRE GERBE
Filing Date	:NA :NA	
(57) A1	·	

#### (57) Abstract:

The general field of the invention is that of optical position/orientation devices for a helmet and more particularly those whose helmet comprises neither emitters, nor receivers but solely passive optical components, detection of which is ensured by fixed opto-electronic means outside the helmet. The optical component for the optical device for detecting position/orientation of a helmet according to the invention comprises a particular optical cube corner (8). It comprises a prism (5) in the form of a trirectangular trihedron, each of the three plane surfaces (51) of the trihedron comprising a blade (7) with plane and mutually parallel faces (71, 72), the first face (71) being coincident with the plane surface (51) on which it rests, the interface between this first face and said surface comprising a semi-reflecting treatment.

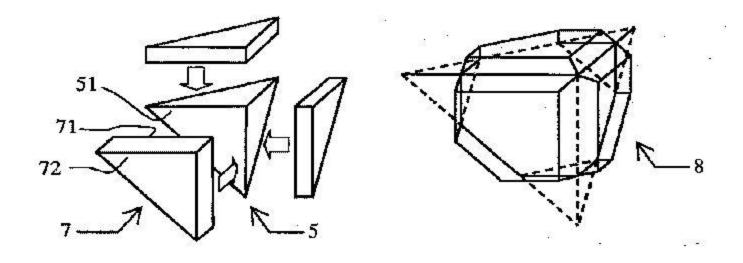


FIG. 4

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

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention: MAGNETIC ACTUATOR UNIT FOR A CIRCUIT-BREAKER 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:03/12/2010 :WO 2011/066986	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant: AFFOLTERNSTRASSE, 44 CH-8050  ZURICH, SWITZERLAND Switzerland  (72)Name of Inventor:  1)CHRISTIAN REUBER
(87) International Publication No		T)CHRISTEN RECEEN

### (57) Abstract:

Magnetic actuator unit for a circuit-braker arrangement comprising an armature (6) arranged to be movable between a first and second end position for an closed and opened switching position respectively of the circuit-braker, a single electrical coil (7) for moving the armature (6) to the second position due to electrical current feed, a permanent magnet (8) for additionally loading the armature (6) in the direction of the second position, an outer ferromagnetic yoke (9) at least partly surrounding the single electrical coil (7) and the ferromagnetic core (10) for directing the magnetic flux to the movable ferromagnetic armature (6), an opening spring means for permanent loading the armature (6) in the direction of the first position, which is coaxially arranged between said armature (6) and the front side of the electrical coil (7), wherein the opening spring means are at least partly accommodated inside a groove (12) formed in the disk-shaped armature (6) whose dimension corresponds to the outer shape of the ferromagnetic yoke (9).

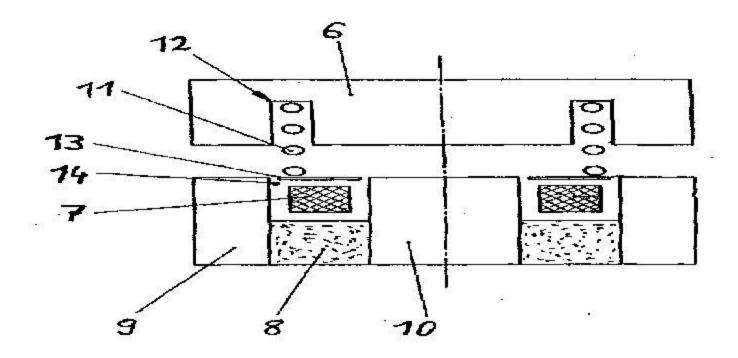


Fig.2

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

(21) Application No.794/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: FLEXIBLE COUPLING

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANIZATION
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(86) International Application No	:NA	Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi
Filing Date	:NA	110001 Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SUNDARARAJAN, Ganesan
Filing Date	:NA	2)VARADARAJAN, Balamurugan
(62) Divisional to Application Number	:NA	3)SAMIKKANNU, Nagesh
Filing Date	:NA	4)JOTHI, Sundaram

## (57) Abstract:

The present subject matter relates to a flexible coupling (104-1, 104-2). In one implementation, the flexible coupling includes a first flexible diaphragm (202) having a first cross-section about a central longitudinal axis (206) of the 10 flexible coupling (104-1, 104-2), and a second flexible diaphragm (204) coaxially coupled to the first flexible diaphragm (202), where the second flexible diaphragm (204) has a second cross-section about the central longitudinal axis (206).

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

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention : NEUTRALISATION OF GASEOUS CONTAMINANTS BY MEANS OF ARTIFICIAL PHOTOSYNTHESIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:B01D47/06 :0352010 :19/01/2010 :Chile :PCT/CL2011/000002 :10/01/2011 :WO 2011/088584 :NA :NA	(71)Name of Applicant:  1)MASTERIDEA S.A. Address of Applicant: Coquimbo 348 Santiago 7550000 Chile (72)Name of Inventor:  1)GONZ • LEZ PORTALES Luis Vicente 2)OLIGER GONZALEZ Jean Paul
Filing Date (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an artificial photosynthesis system and process used to neutralise harmful elements from any type of combustion reducing the volume and initial pressure of the gases by means of the kinetic energy produced by the accelerated recirculation of the gases according to the principle of molecular resonance or gas resonance in order to then release oxygen and innocuous liquid substances by means of physical and chemical processes. Said system comprises a main chamber provided with a main gas inlet and a gas outflow tube the main chamber comprising: a tube with nozzles arranged in the lower part of the main chamber enabling the passage of steam in the form of a steam curtain; a propeller; flexible tubes that protrude from the main chamber and connect to the main gas inlet; an electric motor for gas extraction enabling the pressurised inflow of the gases towards the flexible tube; an evacuation duct connecting the main chamber to a secondary chamber that comprises an inlet tube for the gases from the main chamber and a gas outflow duct arranged in the upper end of the secondary chamber the secondary chamber comprising: a plurality of connected units of plastic foam comprising a perforated sheet of aluminium at the connection points of each unit; a high power centrifuge extractor outside the upper end of the secondary chamber; and tubes for ejecting the liquid residues arranged in the lower part of the primary chamber and the secondary chamber.

No. of Pages: 27 No. of Claims: 20

(21) Application No.6305/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

### (54) Title of the invention: COWLING STRUCTURE OF SADDLE-RIDDEN 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 Filing Date</li> </ul>	:B62J17/02 :2010-015234 :27/01/2010 :Japan :PCT/JP2011/050850 :19/01/2011 : NA :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR CO. LTD.  Address of Applicant:2-1-1 Minamiaoyama Minato-ku Tokyo 1078556 Japan (72)Name of Inventor:  1)OMI IIDA  2)JUN HIROSE 3)SHIGETO INAMI 4)KATSUMASA IEDA
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#### (57) Abstract:

To provide a cowling structure of a riding-type vehicle, more specifically, a cowling structure that permits less damages to the external appearance as well, while providing the improvement in the lightness of banking at the time in the early stage of turning of a vehicle body. [Solving means] In the fore of a head pipe 11 mounted to the front of a body frame, a steering gear ST is so held that it is capable of pivoting about the axis of the head pipe 11. There are provided side cowls 30 each arranged at the transverse outside of the body frame 10, together with an opening 41 so formed in each side cowl that it communicates with the transverse outside and inside of each side cowl, wherein in side view, the side cowls 30 are lengthened up to the fore of the head pipe 11, and the opening 41 is in such a position that it is level with the head pipe 11 and overlaps with the steering gear ST in the fore of the head

No. of Pages: 45 No. of Claims: 5

(21) Application No.4938/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# $(54) \ Title \ of the \ invention: POLYCARBONATE \ COMPOSITIONS \ WITH \ PHENOLICALLY \ SUBSTITUTED \ TRIAZINE \ DERIVATIVE$

(51) International classification	:C08K 5/3467	(71)Name of Applicant:
(31) Priority Document No	:10 2009 057 231.7	1)BAYER INTELLECTUAL PROPERTY GMBH
(32) Priority Date	:05/12/2009	Address of Applicant :CREATIVE CAMPUS MONHEIM,
(33) Name of priority country	:Latvia	BLDG. 4865, ALFRED-NOBLE-SRTR. 10, D-40789
(86) International Application No	:PCT/EP2010/068629	MONHEIM, GERMANY Germany
Filing Date	:01/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011//067282	1)ALEXANDER MEYER
(61) Patent of Addition to Application	:NA	2)CLAUS RUDIGER
Number		3)ULRICH BLASCHKE
Filing Date	:NA	4)MICHAEL WAGNER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		·

# (57) Abstract:

The invention relates to compositions containing polycarbonate and defined quantities of a triazine, and to the production and use thereof for producing moulded parts, in particular optical quality sheets and tubes, according to an extrusion metho

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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : INJECTABLE SUSTAINED RELEASE IMPLANT HAVING A BIOERODIBLE MATRIX CORE AND A BIOERODIBLE SKIN

(51) International classification:A61F2/00(31) Priority Document No:10/925,876(32) Priority Date:13/11/2003(33) Name of priority country:U.S.A.

(86) International Application No Filing Date :26/10/2004 WATERTOWN, MA 02

(872) Name of Inventor:

(72) Name of Inventor:

(1) CHOU, KANG-JY

(87) International Publication No :WO 2005/051234

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

(62) Divisional to Application Number :2692/DELNP/2006 Filed on :12/05/2006 (71)Name of Applicant: 1)PSIVIDA INC.

Address of Applicant :400 PLEASANT STREET,

WATERTOWN, MA 02472 (US) U.S.A.

(72)Name of Inventor: 1)CHOU, KANG-JYE 2)GUO, HONG 3)ASHTON, PAUL

4)SHIMIZU, ROBERT, W 5)WATSON, DAVID, A.

#### (57) Abstract:

An injectable drug delivery device includes a core containing one or more drugs and one or more polymers. The core may be surrounded by one or more polymer outer layers (referred to herein as coatings, skins, or outer layers). In certain embodiments, the device is formed by extruding or otherwise preforming a polymeric skin for a drug core. The drug core may be co-extruded with the skin, or inserted into the skin after the skin has been extruded, and possibly cured. In other embodiments, the drug core may be coated with one or more polymer coatings. These techniques may be usefully applied to fabricate devices having a wide array of drug formulations and skins that can be selected to control the release rate profile and various other properties of the drugs in the drug core in a form suitable for injection using standard or non-standard gauge needles. The device may be formed by combining at least one polymer, at least one drug, and at least one liquid solvent to form a liquid suspension or solution wherein, upon injection, such suspension or solution under goes a phase change and forms a gel. The configuration may provide for controlled release of the drug(s) for an extended period.

No. of Pages: 54 No. of Claims: 9

(22) Date of filing of Application :05/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : SIGNATURE FOR THE DIAGNOSIS OF BREAST CANCER AGGRESSIVENESS AND GENETIC INSTABILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:09306096.0 :13/11/2009	(71)Name of Applicant:  1)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) Address of Applicant: 3, RUE MICHEL ANGE, F-75016 PARIS, FRANCE France 2)UNIVERSITE PAUL SABATIER TOULOUSE III 3)INSTITUT CLAUDIUS (72)Name of Inventor: 1)CAZAUX, CHRISTOPHE 2)HOFFMANN, JEAN-SEBASTIEN 3)BOURDON, JEAN-CHRISTOPHE 4)MACHADO DA SILVA, ALICE 5)ROCHE, HENRI
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# (57) Abstract:

The present invention relates to a method for diagnosing aggressiveness and/or genetic instability of a breast cancer in a patient from a breast cancer sample of said patient, comprising: a) measuring in vitro the expression level of the POLQ gene and the expression level of a control gene in said patient breast cancer sample; b) calculating for said POLQ gene an expression level ratio of the expression level of POLQ to the expression of the said control gene in said patient breast cancer sample; c) comparing the said POLQ expression level ratio to a corresponding threshold value, and d) diagnosing breast cancer aggressiveness and genetic instability if the said POLQ expression level ratio is superior to a corresponding threshold values. Dedicated microarrays and kits are also described, as well as a method of selecting a suitable treatment.

No. of Pages: 66 No. of Claims: 22

(21) Application No.784/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ANTI-CARCINOGENIC EMBRYONIC ANTIGENS ACTIVITY OF ELAEOCARPUS

(51) International alocation	·C12N	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. DINESH KUMAR GARG
(32) Priority Date	:NA	Address of Applicant :S/O-LATE SRI VIMAL PRASAD
(33) Name of priority country	:NA	GARG, 319/6, CHAW MANDI, ROORKEE-247667. DIST.
(86) International Application No	:NA	HARIDWAR (UTTARAKHAND) INDIA. Uttarakhand India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. DINESH KUMAR GARG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Anti Carcinogenic Embryonic Antigens Activity of Elaeocarpus powder to mixed with pure honey as per dose prescribed to be taken by the person fighting with cancer diseases is a better functioning, economical, herbal/ an Ayurvedic treatment process without any adverse effects.

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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: APPLICATOR FOR DISPENSING MATERIALS THROUGH A WATER-JET DEVICE

(51) International classification	:B05B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Bruno Binyamin COHEN TANUGI
(32) Priority Date	:NA	Address of Applicant :24 Yitzchak Breuer Street, Bnei-Bark
(33) Name of priority country	:NA	51387 Israel. Israel
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Bruno Binyamin COHEN TANUGI
(87) International Publication 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 applicator for dispensing materials through a water jet device comprising a dispensing member having an inner cavity therein, the dispensing member comprises a plurality of openings thereover for allowing water and dispensing materials to enter and exit the cavity; and a cover covering the dispensing member in such a manner that it forms a space between the cover and the dispensing member in the area of the openings of the dispensing member for containing a dispensing material therein. The applicator is configured for connecting to the water jet device such as to have water jet thereof directed through the cavity of the dispensing member and for dispensing allotted portions of the dispensing materials into the water jet through the openings of the dispensing member. The applicator is also configured for removably connecting to the water jet device for replacing and/or refilling thereof.

No. of Pages: 33 No. of Claims: 24

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: EMERGENCY COMMUNICATION SYSTEM AND METHODS 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</li> </ul>	:A61B :NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)MOTOROLA MOBILITY LLC Address of Applicant:222 W. Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, USA U.S.A. (72)Name of Inventor:  1)NAGAVALI JATAVALLABHULA 2)PRASANTH NVS 3)VINEET SHUKLA
· ·		· /
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A system includes a server complex and one or more mobile communication devices in communication with the server complex. The server complex includes one or more processors to define one or more elevated safety risk regions within a communication network. The server complex can optionally detect when a mobile communication device enters an elevated safety risk region and place the mobile communication device into an emergency mode of operation.

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

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: APPLICATION OF WATER SOLUBLE COMPOSITIONS FOR QUENCHING OR DEWATERING

(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 (12) (13) (14) (15) (15) (16) (17) (17) (17) (18) (18) (19) (19) (19) (19) (19) (19) (19) (19	Address of NEW YORK 1 (72)Name of In 1)ARUMUG 2)TURUNC, 3)PATEL, N	L ELECTRIC COMPANY Applicant: 1 RIVER ROAD, SCHENECTADY, 2345, U.S.A. U.S.A. u.S.A. nventor: GAM, NACHIAPPAN, UMIT IIMESHKUMAR KANTILAL SEETHALASHMI S, DAVID J. IOANN M.
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### (57) Abstract:

A method for quenching coke mass is disclosed. The coke mass may be quenched by providing an aqueous stream with a quench aid, and contacting the coke mass with the aqueous stream. The quench aid may have at least one fatty alcohol ethoxylated surfactant.

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

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

(43) Publication Date: 25/09/2015

## (54) Title of the invention: INTAGLIO PRINTING PRESS WITH INK-COLLECTING CYLINDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B41F 13/00 :09180318.9 :22/12/2009 :EPO :PCT/IB2010/055942 :20/12/2010 :WO 2011/077350 :NA :NA	(71)Name of Applicant:  1)KBA-NOTASYS SA  Address of Applicant:55, AVENUE DU GREY, PO BOX 347, CH-1000 LAUSANNE 22 (CH) Switzerland (72)Name of Inventor:  1)SCHAEDE, JOHANNES, GEORG 2)SCHWITZKY, VOKMAR, ROLF
(61) Patent of Addition to Application Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

There is described an intaglio printing press comprising (i) a stationary machine frame (01) supporting an intaglio printing cylinder (07) and an impression cylinder (06) contacting the intaglio printing cylinder (07), and (ii) an inking system (12, 13, 16) for inking the intaglio printing cylinder (07), which inking system (12, 13, 16) comprises an ink-collecting cylinder (12) designed to contact the intaglio printing cylinder (07) and at least one inking device (13, 16) for supplying ink to said ink-collecting cylinder (12). The intaglio printing press further comprises a driving system (110; 115; 116) for rotating the ink-collecting cylinder (12) independently of the intaglio printing cylinder (07) and the impression cylinder (06) at least during maintenance operations.

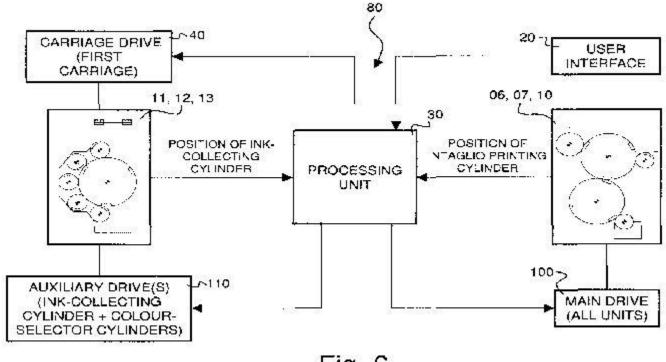


Fig. 6

No. of Pages: 40 No. of Claims: 30

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

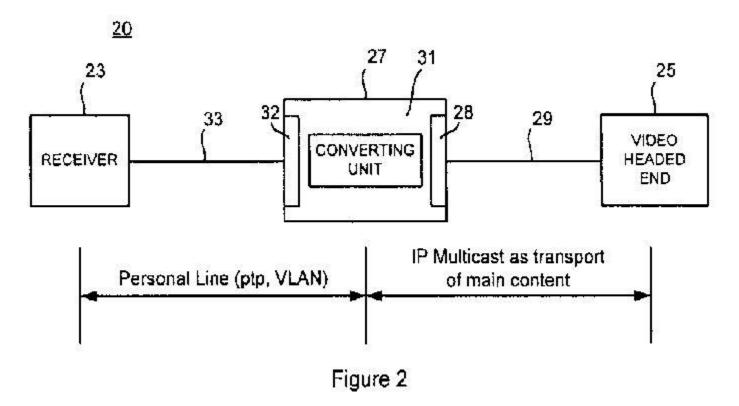
(43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD AND NODE IN AN INTERNET PROTOCOL TELEVISION (IPTV) 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> <li>Filing Date</li> </ul>	:04/01/2010 :WO 2011/079965 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)LOHMAR, THORSTEN
Filing Date	:NA	

#### (57) Abstract:

A converter node 27 of an Internet Protocol Television (IPTV) Network 20 comprises a first port 32 for communicating with a receiver 23 (for example a set top box), and a second port 28 for communicating with a video headed end 25 (for example a source of IP Multicast traffic. The converter node also comprises a converting unit 31. In response to receiving, via the first port 32, a request from the receiver 23 to join an internet protocol multicast group (e.g. tune-in to an IPTV channel), the converting unit 31 of the converter node 27 is configured to convert IP Multicast traffic 29 received from the video headed end 25 via the second port 28 into IP Unicast traffic 33 (i.e. personalised traffic), which is forwarded to the receiver 23 via the first port 32.



No. of Pages: 26 No. of Claims: 15

(21) Application No.787/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : AN EXTRUSION DIE WITH CHANGEABLE INTERNAL GEOMETRY FOR EXTRUSION OF MULTICHANNEL CERAMIC TUBE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA Delhi India (72)Name of Inventor: 1)SARKAR SANDEEP
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an extrusion die with changeable internal geometry for extrusion of multichannel ceramic tube. The present invention may be used to modify the internal geometry of the die to change the die entry pressure and paste flow velocity and effect a proper extrusion with the changed paste Theology during the extrusion process. This will reduce the overall rejection in an industrial scale production. The present invented design may also be used to extrude multichannel green tube with various channel configuration viz. number, shape and size of channel and fixed outer diameter as per application requirement by only changing the internal configuration of the die without redesigning the whole die

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application: 19/03/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention : CYLINDRICAL VESSEL FOR PREPARATION OF LUMP FREE AQUEOUS SOLUTION OF BUOYANT POWDERS STICKY IN NATURE

(51) International classification	:F25J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(86) International Application No	:NA	Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi
Filing Date	:NA	110105 Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MANVENDRA SHARMA
Filing Date	:NA	2)MANISH BHATI
(62) Divisional to Application Number	:NA	3)J S RAMESH BAPU
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a cylindrical vessel (1) for preparing lump free aqueous solution of buoyant powders sticky in nature, said vessel comprising: an inlet (2) for feeding the said powdered material and an outlet (3) for receiving aqueous solution of the same; a stirrer rod (4) being mounted at the center of the said vessel (1) vertically adapted to reach the spherical portion at the bottom (5) of said vessel for mixing the said powdered material with water; a first set of blades (6) adapted to be secured at the lower end of said stirrer rod (4) at a first inclined angle; a second set of blades (7) adapted to be secured to the said stirrer rod (4) and fixed at a predetermined distance above the said first set of blades (6) and inclined at a second inclined angle; wherein the area covered by said lower blades (6) is one fourth of the cross-sectional area of said vessel (1) and the area covered by said upper blades (7) is one half of the cross-sectional area of said vessel (1).

No. of Pages: 21 No. of Claims: 20

(21) Application No.6285/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: BIOGASIFICATION OF COAL TO METHANE AND OTHER USEFUL 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12P5/00 :61/284483 :18/12/2009 :U.S.A. :PCT/US2010/003131 :10/12/2010 :WO 2011/075163 :NA :NA	(71)Name of Applicant:  1)CIRIS ENERGY INC.  Address of Applicant: 9155 East Nichols Avenue Suite 200 Centennial CO 80122 U.S.A. (72)Name of Inventor:  1)DOWNEY Robert A. 2)JIN Song 3)FALLGREN Paul H.
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### (57) Abstract:

Method of bioconversion of coal to methane carbon dioxide and other valuable gaseous and liquid products in a multi step process that may include particle size reduction separation of non coal materials addition chemicals and multi stage anaerobic fermentation are disclosed.

No. of Pages: 38 No. of Claims: 15

(21) Application No.6286/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: 2-ALDOXIMINO-5-FLUOROPYRIMIDINE DERIVATIVES

:A61K31/505,C07D239/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/287346 (32) Priority Date :17/12/2009

(33) Name of priority country :U.S.A. :PCT/US2010/060792 (86) International Application No

Filing Date :16/12/2010 (87) International Publication No :WO 2011/084611

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

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

(72)Name of Inventor: 1)BOEBEL Timothy 2)LORSBACH Beth 3)MARTIN Timothy

4)OWEN W.

46268 U.S.A.

5)SULLENBERGER Michael

1)DOW AGROSCIENCES LLC

Address of Applicant: 9330 Zionsville Road Indianapolis IN

6)YAO Chenglin

### (57) Abstract:

This present disclosure is related to the field of 2 aldoximino 5 fluoropyrimidines and their derivatives and to the use of these compounds as fungicides.

No. of Pages: 51 No. of Claims: 4

(21) Application No.6287/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PLATINUM NANOPARTICLES HAVING HOLLOW SKELETAL STRUCTURES AND METHODS OF MAKING

(51) International classification :B82B1/00,B82B3/00,H01M8/10 (71)Name of Applicant: (31) Priority Document No 1)UTC POWER CORPORATION (32) Priority Date :NA Address of Applicant: 195 Governors Highway South Windsor (33) Name of priority country Connecticut 06074 U.S.A. :NA (86) International Application (72) Name of Inventor: :PCT/US2010/000411 1)SHAO Minhua :12/02/2010 Filing Date 2)PROTSAILO Lesia V. (87) International Publication No:WO 2011/099955 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

### (57) Abstract:

Filing Date

A nanoparticle includes a noble metal skeletal structure. The noble metal skeletal structure is formed as an atomically thin layer of noble metal atoms that has a hollow center.

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

(21) Application No.6288/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date: 25/09/2015

# (54) Title of the invention: DRIVE FOR ACTUATING A PARKING BRAKE

(51) International classification :B60T7/10,B60T13/02,B60T13/74 (71)Name of Applicant : (31) Priority Document No :10 2010 004 602.7 1)IMS GEAR GMBH

(32) Priority Date :13/01/2010 Address of Applicant: Heinrich Hertz Str. 16 78166

(33) Name of priority country Donaueschingen Germany :Germany (86) International Application (72)Name of Inventor: :PCT/EP2011/000099

1)HOFSCHULTE Wolfram Heinrich No :12/01/2011 Filing Date

(87) International Publication :WO 2011/085971

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

(62) Divisional to Application :NA Number :NA

Filing Date

## (57) Abstract:

The invention relates to a drive for actuating a parking brake in a brake caliper (10). The brake caliper (10) has at least one brake piston (11) with a brake piston axis (B) said piston being actuatable by means of an actuating lever (40) with a rotational center (42). An electric motor (32) is fixed to the brake caliper (10) and mechanically coupled to the actuating lever (40) with the output shaft (36) that exits said electric motor.

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

(21) Application No.6289/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

### (54) Title of the invention: INFLUENZA NUCLEIC ACID MOLECULES AND VACCINES MADE THEREFROM

:A61K48/00,C07H21/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) THE TRUSTEES OF THE UNIVERSITY OF :12/694238 (32) Priority Date PENNSYLVANIA :26/01/2010 (33) Name of priority country Address of Applicant: 3160 Chestnut Street Suite 200 :U.S.A. Philadelphia PA 19104 6283 U.S.A. (86) International Application No :PCT/US2011/022642 Filing Date (72) Name of Inventor: :26/01/2011 (87) International Publication No :WO 2011/094358 1)WEINER David B. (61) Patent of Addition to Application 2)YAN Jian :NA Number 3)MORROW Matthew P. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Provided herein are nucleic acid sequences that encode novel consensus amino acid sequences of HA 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 serotpyes using the vaccines that are provided.

No. of Pages: 99 No. of Claims: 38

(21) Application No.803/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AUTO CONFIGURATION SERVERS

<ul> <li>(51) International classification</li> <li>(31) 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	(71)Name of Applicant: 1)ALCATEL LUCENT Address of Applicant:3, avenue Octave Grard, 75007 Paris France (72)Name of Inventor: 1)KARKERA, Kiran
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods for optimization of an auto configuration server (ACS) are described. According to the present subject matter, the system(s) implement the described method(s) for optimization of the ACS including, analyzing asynchronous requests, received by the ACS, from a plurality of Customer Premises Equipments (CPEs) for a pre-defined time period. The method further includes predicting patterns of activity corresponding to the asynchronous requests received by the ACS based on a time series analysis of the asynchronous requests during the pre-defined time period. The method also includes scheduling synchronous requests associated with the ACS based on the predicted patterns of activity and resource parameters associated with the synchronous requests, wherein the resource parameters associated with the synchronous requests are indicative of time and resources utilized by the ACS to process the synchronous requests.

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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : MONOCLONAL ANTIBODY SPECIFIC FOR SHIGELLA FLEXNERI AND PROCESS FOR PREPARATION THEREOF

		(71)Name of Applicant :
(51) International classification	:B05B	1)Director General, Defence Research and Development
(31) Priority Document No	:NA	Organization
(32) Priority Date	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(33) Name of priority country	:NA	Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi
(86) International Application No	:NA	110011 Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)URS, Radhika Madan
(61) Patent of Addition to Application Number	:NA	2)MUDILI, Venkataramana
Filing Date	:NA	3)RAMLAL, Shylaja
(62) Divisional to Application Number	:NA	4)TUTEJA, Urmil
Filing Date	:NA	5)MURALI, Harishchandra Sripathy
		6)BATRA, Harsh Vardhan

# (57) Abstract:

The present invention provides for a monoclonal antibody specific for Shigella flexneri and process for preparation thereof. The present invention discloses a monoclonal antibody generated against whole cell lysate of Shigella flexneri and a method of generating the same, wherein the monoclonal antibody comprises a heavy chain comprising a region as set forth in SEQ ID NO: 1 or a part thereof, and a light chain comprising a region as set forth in SEQ ID NO: 2 or a part thereof. The present invention also provides for dot ELISA method for specific detection of Shigella flexneri in contaminated food, environmental and/or clinical samples using the monoclonal antibody specific for Shigella flexneri.

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

(21) Application No.6312/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention: OVERBASED ALKYLATED ARYLALKYL SULFONATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:11/01/2011 : NA :NA	(71)Name of Applicant:  1)THE LUBRIZOL CORPORATION  Address of Applicant: 29400 Lakeland Blvd. Wickliffe Ohio 44092-2298 United States of America U.S.A.  (72)Name of Inventor:  1)JAMES P. ROSKI  2)EWAN E. DELBRIDGE  3)CHRISTOPHER FRIEND  4)GARY M. WALKER
(61) Patent of Addition to Application		3)CHRISTOPHER FRIEND

(57) Abstract:

An overbased alkylated arylalkyl sulfonate is easy to prepare and is useful as a detergent in various lubricant applications.

No. of Pages: 27 No. of Claims: 19

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A CHIMERIC GENE SCFV ENCODING FUSION PROTEIN COMPOSED OF VH AND VL DOMAINS OF ANTI DEOXYNIVALENOL ANTIBODY

		(71)Name of Applicant :
(51) International classification	:B05B	1)Director General, Defence Research and Development
(31) Priority Document No	:NA	Organization
(32) Priority Date	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(33) Name of priority country	:NA	Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi
(86) International Application No	:NA	110011 Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MUDILI, Venkataramana
(61) Patent of Addition to Application Number	:NA	2)KONDURU, Balakrishna
Filing Date	:NA	3)KALAGATUR, Naveen Kumar
(62) Divisional to Application Number	:NA	4)CHANDRANAYAKA S
Filing Date	:NA	5)MURALI, Harishchandra Sripathy
		6)BATRA, Harsh Vardhan

## (57) Abstract:

The present provides for a chimeric gene scFv including a gene sequence encoding for VH domain of antibody produced against Deoxynevolinol, a gene sequence encoding for VL domain of antibody produced against Deoxynevolinol, and a flexible and hydrophobic glycine linker connecting the gene sequence encoding for VH domain and gene sequence encoding for VL domain. The present invention also provides for a process of preparing the chimeric gene scFv and further generating anti DON scFv antibody. The anti-DON-scFv antibody disclosed by the present invention is useful in both detection and protection purposes. The present invention also discloses a dot-ELISA method for quick and cost effective identification of Deoxynevolinol in a sample. Figure 2

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

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A BIODEGRADABLE BIOPLASTIC FORMULATION AND A METHOD FOR PREPARING THE SAME

(51) International classification	:B29C47/92	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY UTTAR
(33) Name of priority country	:NA	PRADESH SECTOR 125, NOIDA 201303, INDIA Uttar Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HARSHA KHARKWAL
(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 novel formulation for preparing biodegradable bioplastics that comprises hydroxyethylsuccinate fistula along with Starch, Maelic Anhydride, Sodiuni Hydroxide and Poly Vinyl alcohol and a method for preparation thereof. The bioplastic formulation has more tensile strength and is a more economical and biodegradable in nature.

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

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A NOVEL COMPOSITION FOR HERBAL FACE WASH AND PROCESS FOR THE PREPARATION OF THE SAME

#### (57) Abstract:

The present invention discloses a novel formulation for herbal face wash and the process for the preparation of the same which gently removes impurities and prevents pimples and boils. The herbal formulation is a unique preparation that is gentle on the skin and is helpful in improving the texture of the skin thus making the skin clear and soft. The herbal formulation essentially comprises extracts obtained by a process from leaves of Brassica oleracea, latex of Calotropis procera, bark of Careya arborea, fruit of Momordica charantia and Dill (Anethum graveolens) essential oil. The extracts are mixed with suitable carrier base. The herbal formulation has no side effects and is suitable for external application. The herbal face wash may be used in a different form for application such as aqueous extract or lotion.

No. of Pages: 16 No. of Claims: 9

(21) Application No.892/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN IMPROVED TRAFFIC LIGHT MANAGEMENT SYSTEM

(51) Intermedicus I startification	.C00C1/07	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant : AMITY UNIVERSITY UTTAR
(33) Name of priority country	:NA	PRADESH SECTOR 125, NOIDA 201303, INDIA Uttar Pradesh
(86) International Application No	:NA	Inia
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)YOGESH SINGH RATHORE
(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 traffic light management system based on changing the sequence of traffic lights turning green for the least traffic lane. The present invention provides a different approach called shortest load frist (SLF). in which the lane having the smallest queue of waiting vehicles are allowed to move first. The process is then repeated for next lane in increasing order of their traffic length.

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

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SURGICAL INSTRUMENTS AND COMPONENTS FOR USE IN STERILE ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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 17/00 :12/621,732 :19/11/2009 :U.S.A. :PCT/US2010/057101 :17/11/2010 :WO 2011/063038 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY, INC. Address of Applicant: 4545 CREEK ROAD, CINCINNATI, OH 45242, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)CHAD P. BOUDREAUX 2)FREDERICK E. SHELTON, III 3)BRET W. SMITH 4)DANIEL J. ABBOTT
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#### (57) Abstract:

A surgical instrument comprises a first portion encapsulated by a membrane and a second portion comprising a surgical instrument body and a cavity in the surgical instrument body. The cavity is configured to receive the first portion. The second portion comprises a first region comprising an opening in communication with the cavity, and a closure member movable between a first position and a second position. The closure member is in sealable engagement with the second region when it is in the first position and is at least partially free from sealable engagement with the second region when it is in the second position. One or more electrical contacts on the first portion or the second portion are configured to penetrate the membrane to allow a connection to be made between the first portion and the second portion when the closure member moves from the second position into the first position.

No. of Pages: 157 No. of Claims: 20

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: THERAPEUTIC METHODS AND COMPOSITIONS FOR TREATING 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</li></ul>	:B05B :NA :NA :NA :NA	(71)Name of Applicant:  1)Orient Europharma Co., Ltd. Address of Applicant: 7F, No. 368, Sec. 1, Fu-Hsing S. Road, Taipei 10656, Taiwan, Republic of China Taiwan (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)SU, Ming-Jai 2)LEE, Shoei-Sheng
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)LLL, Shoet-Sheng
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention is directed to therapeutic methods and compositions for treating type 1 diabetes in a subject comprising administering an effective amount of borapetoside A or C, or a pharmaceutically acceptable salt, metabolite, solvate or prodrug thereof, and insulin to said subject.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.804/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A SUSTAINED RELEASE FORMULATION COATING METHOTREXATE AND FOLATE NANOPARTICLES AND A METHOD FOR PREPARING THE SAME

:F25J	(71)Name of Applicant:
:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
:NA	Address of Applicant :Hauz Khas, New Delhi-110016, India
:NA	Delhi India
:NA	(72)Name of Inventor:
:NA	1)SANAT MOHANTY
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

A sustained release formulation containing methotrexate comprising a non covalently crosslinked (with multivalent cation salt) aqueous solution with methotrexate molecules neutralized with one of an alkali, an alkali earth metal hydroxide, or an alkali carbonate; guest molecules; surfactants, dispersants, additives; optionally including one or more nanoparticles.

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

(21) Application No.4862/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CYLINDER HEAD FOR A HIGH-PRESSURE FUEL 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</li> <li>Number Filing Date</li> </ul>	:F04B 1/04 :10 2010 001 880.5 :12/02/2010 :Germany :PCT/EP2011/050760 :20/01/2011 :WO 2011/098332 :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)BOECKING, FRIEDRICH
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A cylinder head for a high-pressure fuel pump in a fuel injection system, particularly in a common rail injection system, wherein a high-pressure bore (1) for forming a pump working chamber (2) and for receiving a pump piston (3) and at least one additional bore (4, 5) are formed in the cylinder head for receiving an intake valve (6) and/or a high-pressure valve (7) is described. In an embodiment, the cylinder head has an integral design and comprises a plurality of high-pressure ports, each in the form of a projection (8, 9) having a bore (10, 11) adapted to connect an injector and/or receive a pressure sensor (17), wherein at least one bore (10, 11) of a projection (8, 9) is disposed coaxially in relation to the high-pressure bore (5) in which the high-pressure valve (7) is received.

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING CROSS CARRIER OPERATIONS FOR DUAL-CONNECTIVITY ARCHITECTURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	(71)Name of Applicant:  1)NOKIA SOLUTIONS AND NETWORKS OY Address of Applicant :of Karaportti 3, FI 02610 Espoo, FINLAND, Finland (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)SELVAGANAPATHY, SRINIVASAN 2)HENTTONEN, TERO 3)WU, CHUNLI

#### (57) Abstract:

A method and apparatus can be configured to determine a user equipment to transmit to. The user equipment operates in dual-connectivity with a first evolved-Node-B and a second evolved-Node-B. The method also includes triggering transmission of a command to the user equipment via the second evolved-Node-B. The command comprises a command to the user equipment to perform physical-downlink-control-channel monitoring or to perform random-access-channel access.

No. of Pages: 39 No. of Claims: 27

(22) Date of filing of Application :04/06/2012

(43) Publication Date: 25/09/2015

# (54) Title of the invention : ECONOMICAL AND SUSTAINABLE DISPOSAL OF ZERO LIQUID DISCHARGE SALT BYPRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:F03G 7/04 :12/631,248 :04/12/2009 :U.S.A. :PCT/US2010/055345 :04/11/2010 :WO 2011/068616 :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD SCHENECTADY, NEW YORK 12345, USA U.S.A. (72)Name of Inventor: 1)MOE, NEIL EDWIN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method and apparatus are described for disposing of salt byproduct from a zero liquid operation, such as a zero liquid discharge desalination plant. The present method and apparatus concern a power generation plant, comprising a salinity gradient power unit (SGPU) comprising a high salinity feed, a low salinity feed, and a mixed water output. The high salinity feed is comprised of salt byproduct from a ZLD operation. The mixed water output empties into a body of water.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application :04/06/2012

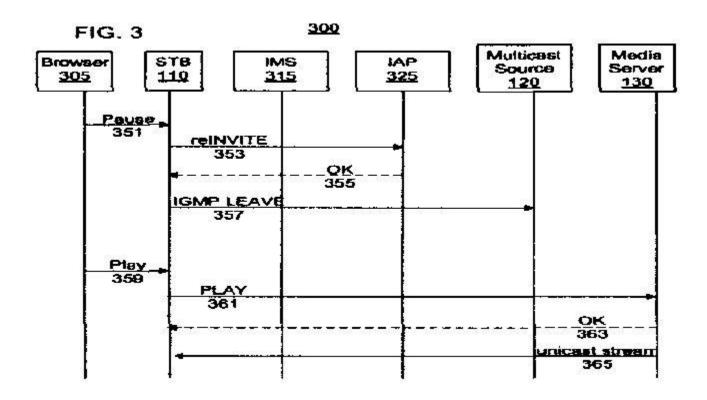
(43) Publication Date: 25/09/2015

## (54) Title of the invention: NETWORK TIME-SHIFT METHODS 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>	:H04L 29/06 :61/310,546 :04/03/2010 :U.S.A. :PCT/SE2011/050234 :02/03/2011 :WO 2011/108983 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant:SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)LINDQUIST, JAN ERIK 2)LINDSTROM, MATS 3)CARNEBRINK, TORBJORN 4)BLUMENBERG, JOHAN
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#### (57) Abstract:

Effects of a network delay in handling messages in time-shifting media information streams are eliminated by either the network sides providing a media stream start time to the client side, which uses the media start time to compute a correct time offset for restarting the media stream after a pause, or by the client sides providing the time of a pause request to the network side, which uses the pause request time to compute the correct time offset and provides the offset to the client side.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4913/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date: 25/09/2015

## (54) Title of the invention: CLASSIFICATION OF CANCERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:01/12/2010 :WO 2011/068839 :NA :NA :NA	(71)Name of Applicant:  1)COMPENDIA BIOSCIENCE, INC.  Address of Applicant:110 MILLER AVENUE, SECOND FLOOR, ANN ARBOR, MICHIGAN 48104, U.S.A. U.S.A. (72)Name of Inventor:  1)RHODES, DANIEL R.
Filing Date	:NA :NA	

#### (57) Abstract:

A system for classifying a patients cancer as belonging to one or more Cancer Modules of 1 of 15 different cancer types is provided. The Cancer Modules are useful to identify patient populations and individual patients demonstrating specific prognosis, risk of metastasis and/or recurrence, response or lack of response to drugs, and the like.

No. of Pages: 292 No. of Claims: 21

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CYSTEINE PROTEASE 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>	:C07D 231/40 :0950951-4 :10/12/2009 :Sweden :PCT/IB2010/055732 :10/12/2010 :WO 2011/070539 :NA :NA :NA	3)GRABOWSKA, URSZULA 4)HEWITT, ELLEN 5)JONSSON, DANIEL 6)KAHNBERG, PIA 7)KLASSON, BJORN 8)LIND, PETER 9)LUNDGREN, STINA 10)ODEN, LOURDES
Timig Date	.NA	

## (57) Abstract:

Compounds of Formula (II) wherein R1a is H; and R1b is C1-C6alkyl, Carbocyclyl or Het; or R1a and R1b together define a saturated cyclic amine with 3-6 ring atoms; R2a and R2b are independently H, halo, C1-C4alkyl, C1-C4haloalkyl or C1-C4alkoxy, or R2a and R2b together with the carbon atom to which they are attached form a C3-C6cycloalkyl; R3 is a branched C5-C10 alkyl chain, C2-C4haloalkyl or -CH2C3-C7 cycloalkyl; R4 is C1-C6alkyl, C1-C6haloalkyl or oxetany-3-yl. for use in the prophylaxis or- treatment of a disorder characterised by inappropriate expression or activation of cathepsin S.

No. of Pages: 69 No. of Claims: 19

(21) Application No.3184/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :04/11/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ULTRASONIC TESTING SENSOR AND ULTRASONIC TESTING METHOD

(51) International classification	:G10K11/34	(71)Name of Applicant :
(31) Priority Document No	:2013- 231258	1)MITSUBISHI HITACHI POWER SYSTEMS, LTD. Address of Applicant :3-1, Minatomirai 3-chome, Nishi-ku,
(32) Priority Date	:07/11/2013	Yokohama, Kanagawa 220-8401, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SUZUKI Yutaka
Filing Date	:NA	2)CHIBA Hiroaki
(87) International Publication No	: NA	3)KUDO Takeshi
(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 transmission sensor 1T and the reception sensor 1R are disposed so as to sandwich a testing target 301 therebetween. The reception sensor 1R receives a false signal arising from a GL generated upon ML scanning by a scanning angle equal to or greater than a minimum scanning angle  $\Phi$ min but equal to or smaller than a maximum scanning angle  $\Phi$ max.

No. of Pages: 33 No. of Claims: 5

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 25/09/2015

# (54) Title of the invention : COLLECTOR PLATE, COLLECTOR BOX INCLUDING SUCH A PLATE, AND HEAT EXCHANGER FITTED WITH SUCH A BOX

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:F28F 9/02 :0905548 :19/11/2009 :France :PCT/EP2010/067009 :08/11/2010 :WO 2011/061085 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES THERMIQUES  Address of Applicant:8, RUE LOUIS LORMAND LA  VERRIERE F-78320 LE MESNIL-SAINT-DENIS, FRANCE  France (72)Name of Inventor:  1)CHRISTIAN RIONDET  2)JEAN-MARC LESUEUR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a collector plate (18) including a bottom (40), provided with openings (17) for receiving the tubes (10) of a heat exchanger tube bundle (8), and a peripheral edge (21), raised from said bottom (18), said plate also having a plurality of reinforcing ribs (30). According to the invention said ribs extend from the raised peripheral edge (21) to said bottom (40) and have a rectilinear and/or convex profile in a plane that is oriented in an orthogonal manner to said raised edge (21) and said bottom (40).

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

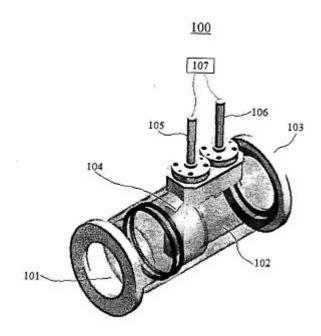
(22) Date of filing of Application: 17/05/2013 (43) Publication Date: 25/09/2015

## (54) Title of the invention: VORTEX CROSS CORRELATION FLOWMETER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G01F1/32, G01F1/58 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY Address of Applicant: POWAI, MUMBAI 400076, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor: 1)VENUGOPAL ARUMURU 2)AGRAWAL AMIT 3)PRABHU SIDDINI VENKATESH
(62) Divisional to Application Number	:NA	
•		

#### (57) Abstract:

A vortex cross correlation flowmeter comprising: an oblong hollow body defining a fluid flow channel therethrough a fluid inlet and a fluid outlet; a bluff body disposed in the fluid channel for generating vortices based on a fluid flow within the flow channel comprising a front face facing the fluid flow, two side faces inclined with respect to the front face and a rear face; a first flow sensor in contact with fluid and responsive to the vortices generated by the bluff body is placed at a predetermined distance from the rear face of the bluff body; a second flow sensor in contact with fluid and responsive to the vortices generated by the bluff body is placed at a predetermined distance from first flow sensor; and an electronic circuit for processing signals from said flow sensors wherein said electronic circuit is configured to: perform spectrum analysis of the signal received from the first flow sensor or from the second flow sensor and compute the number of peaks appearing in the spectrum; decide if correlation computations are to be performed for said number of peaks; perform cross-correlation or auto-correlation of the signals received from the first flow sensor and second flow sensor; and generate output vortex frequency proportional to the flow rate of fluid.



No. of Pages: 21 No. of Claims: 5

(22) Date of filing of Application :21/01/2014

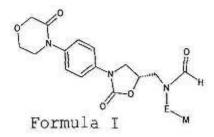
(43) Publication Date: 25/09/2015

## (54) Title of the invention: AMINE OXAZOLIDINONES DERIVATIVES AND THE USE IN THROMBOEMBOLIC DISORDER

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (89) International Publication No (10) Patent of Addition to Application Number Filing Date (11) Filing Date (12) Divisional to Application Number (13) Filing Date (14) Filing Date (15) International Classification No (15) International Publication No (17) International Publication No (18) I	I TIWANRIRVITD
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#### (57) Abstract:

The present application relates to novel amine oxazolidinones derivatives of compound formula (I), and process for preparation thereof. Further relates to their use for the treatment and/or prophylaxis of diseases and also to their use for preparing medicaments for the treatment and/or prophylaxis of diseases, in particular thromboembolic disorders. In which, E is (C1-C6) -alkylcarbonyl represent straight chain or branched alkoxy radical having 1 to 6 carbon atoms which are attached via carbonyl group. And M is any heterocycle including cyclohexane or substituted cyclohexane, benzyl, halo alkyl benzo-fused thiophene group which may optionally be mono- or polysubstituted by a radical selected from the group consisting of halogen; cyano; nitro; amino; aminomethyl; (C1-C8) -alkyl which for its part may optionally be mono- or polysubstituted by halogen; (C3-C7)-cycloalkyl; (C1-C8)-1-i C4)-alkyl-aminocarbonyl, Or its pharmaceutically accepted salt or solvate form or hydrate form.



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

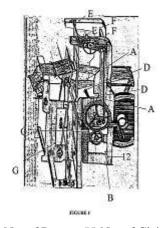
(22) Date of filing of Application :22/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: RAPIER LOOM

(74) 7	D00D45/00	
(51) International classification	:D03D47/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANSARI AKHLAQUE AHMED ZAHIR AHMED
(32) Priority Date	:NA	Address of Applicant :1ST FLOOR, BLDG. NO. 1280,
(33) Name of priority country	:NA	SHASTRI NAGAR, NEAR MECCA MASJID, KALYAN
(86) International Application No	:NA	ROAD, BHIWANDI, DIST. THANE MAHARASHTRA, INDIA
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	2)ANSARI AFZAL AHMED AKHLAQUE AHMED
(61) Patent of Addition to Application Number	:NA	3)ANSARI MUSTAQIM AHMED AKHLAQUE AHMED
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)ANSARI AKHLAQUE AHMED ZAHIR AHMED
Filing Date	:NA	

#### (57) Abstract:

A Rapier loom being characterised by at least a first Rapier provided between at least a first frame from a pair of frames and at least a Dobby frame of a Dobby machine communicably coupled with said loom, said Rapier being adapted to be operatively horizontally displaced; and at least a second Rapier provided between at least a second frame from a pair of frames and at least a Dobby frame of a Dobby machine communicably coupled with said loom, said Rapier being adapted to be operatively horizontally displaced.



No. of Pages: 55 No. of Claims: 26

(22) Date of filing of Application :04/02/2014

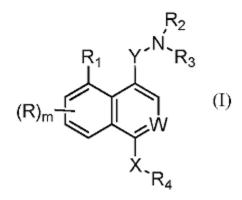
(43) Publication Date: 25/09/2015

## (54) Title of the invention: CANNABINOID RECEPTOR MODULATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 31/4725 :905/KOL/2011 :05/07/2011 :India :PCT/IB2012/053407 :04/07/2012 :WO 2013/005168 :NA :NA :NA	4)TALE, PRASHANT, VITTHALRAO 5)CHEEMALA, NARASIMHA, MURTHY 6)MAHANGARE, SACHIN JAYSING 7)VIDHATE, PRASHANT, POPATRAO 8)KULKARNI, CHAITANYA, PRABHAKAR 9)PATEL, SAPANA, SURESH 10)PATIL, AMOLSING, DATTU 11)ZADE, SEEMA, PRABHAKAR 12)SHINDE, ROHAN MAHADEV
		12)SHINDE, ROHAN MAHADEV 13)PALLE, VENKATA, P 14)KAMBOJ, RAJENDER, KUMAR

## (57) Abstract:

Compounds of Formula (I) along with processes for their preparation that are useful for treating, managing and/or lessening the diseases, disorders, syndromes or conditions associated with the modulation of cannabinoid (CB) receptors. Methods of treating, managing and/or lessening the diseases, disorders, syndromes or conditions associated with the modulation of cannabinoid (CB) receptors of Formula (I).



No. of Pages: 281 No. of Claims: 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1416/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BUYONSIC POWER GENERATOR

	:F03B (71)Name of Applicant :
(51) International classification	13/10, 1)KADU ASHISH RAMBHAU
` '	F03D Address of Applicant :AT/POST: JAULKA (RLY.), TAL.: 11/00 MALEGAON, DIST.: WASHIM-444 503, MAHARASHTRA,
(31) Priority Document No	:NA INDIA. Maharashtra India
(32) Priority Date	:NA (72)Name of Inventor :
(33) Name of priority country	:NA 1)KADU ASHISH RAMBHAU
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication 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 my invention we change the buoyancy properties of a liquid inside the specific tank by changing the liquid inside the tank. The tank sinks in a liquid when it is filled with high density liquid because of which its buoyansic power is reduced and it goes deep inside the, liquid at this time when low density liquid displaces the high density liquid inside the tank the tank moves in upward direction and tank starts floating on the surface of liquid outside the tank and buoyansic power of tank in increases. So by using very low pressure water sink the tank and the floating power of tank can be converted into electric energy. In this way by changing the liquid inside the container we can produce circular motion in pulleys which in turns used to generate electrical and mechanical energy. Changes in the weight of the tank or displacements of liquids in float container can also be done in the open atmosphere or open environment and with the help of gravitational force electric energy can be generated.

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

(22) Date of filing of Application :08/10/2013

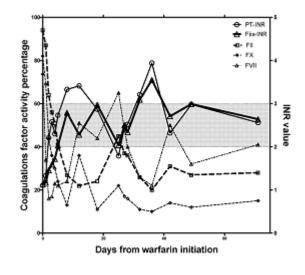
(43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR MONITORING ANTICOAGULANT THERAPY

<ul> <li>(51) International classification</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)FIIX DIAGNOSTICS Address of Applicant: KIEIFARVEGI 12, 104 RAYKJAVIK, ICELAND Ice Land (72)Name of Inventor:
Filing Date	:NA	

### (57) Abstract:

A method of measuring the combined activity of both and only coagulation factors II and X for the purpose of monitoring anticoagulant therapy and kits for using the method. This is based on the hypothesis that the combined activity of factor II and factor X (FII and FX) more accurately reflects clottability and the antithrombotic effect of VKA anticoagulants in patients than conventional methods (eg PT P&P). The method involves mixing of test plasma from a human to be tested with specially prepared plasma deficient in both and only coagulation factors II and X but with normal levels of other factors (referred to herein as Fiix deficient plasma pr Fiix plasma) in order to correct for any possible deficiency in other coagulation factors than FII and FX in the test sample. By adding a coagulation reagent and calcium the generation of thrombin or fibrin can be measured. Kits of the invention comprise a coagulation reagent calcium and specially made plasma that is deficient in both and only factor II and factor FX. The kit components are suitably lyophilised.



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

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TRICYCLIC HETEROCYCLIC COMPOUNDS AND JAK INHIBITORS

(51) International classification :C07D487/14,A61K31/519,A61P37/00

(31) Priority Document No :2011-177270 (32) Priority Date :12/08/2011

(32) Priority Date :12/08/2011 (33) Name of priority

country :Japan

(86) International :PCT/JP2012/070876

Application No
Filing Date

10/08/2012

(87) International :WO 2013/024895

Publication No
(61) Patent of Addition to
Application Number
Filing Date
:WO
:NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)NISSAN CHEMICAL INDUSTRIES LTD.

Address of Applicant: 7 1 Kanda Nishiki cho 3 chome

Chiyoda ku Tokyo 1010054 Japan Japan

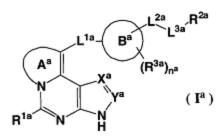
(72)Name of Inventor:
1)HAYASHI Keishi
2)WATANABE Tsuneo
3)TOYAMA Koji

4)KAMON Junji 5)MINAMI Masataka

6)UNI Miyuki 7)NASU Mariko

## (57) Abstract:

Novel tricyclic pyrimidine compounds and tricyclic pyridine compounds having JAK inhibitory activities are provided. A tricyclic heterocyclic compound represented by the formula (I): wherein the rings A and B X Y R R R L L L and n are as defined in the description.



No. of Pages: 554 No. of Claims: 83

(22) Date of filing of Application :11/11/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : IMPROVEMENT IN CORROSION RESISTANCE OF ELECTRODEPOSITED NI-CO ALLOY COATINGS

(51) I	.C25D5/10	(71)N 6 A P
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR. ABHISHEK CHANDRAKANT LOKHANDE
(32) Priority Date	:NA	Address of Applicant :B-102, KATKAR PARK, SHIVAJI
(33) Name of priority country	:NA	UNIVERSITY ROAD, KOLHAPUR-416 008,
(86) International Application No	:NA	MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. ABHISHEK CHANDRAKANT LOKHANDE
(61) Patent of Addition to Application Number	:NA	2)PROF. JAYDEEP SHANTIKUMAR BAGI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Corrosive resistant nickel-cobalt (Ni-Co) layers were produced by electrodeposition method at constant current density of 15 mA cm at room temperature with the addition of saccharin as an additive agent. These films were characterized by various methods such as X-ray diffraction (XRD), Scanning Electron Microscopy (SEM) and Electrochemical Impedance Study (EIS). The XRD study confirmed the formation of nickel-cobalt (Ni-Co) alloy with plane orientation along (111) plane with composition Ni:Co as 80:20 and 85:15 at.%. The SEM revealed that the substrate surface covered with colony of nanograms resulting in compact morphology. The EIS study indicated the improvement in the corrosion resistance of nickel-cobalt (Ni-Co) from 240 to 500  $\Omega$  cm2 .

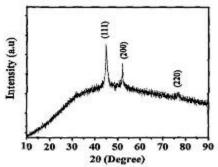


Fig. 1 A typical X-ray diffraction pattern of Ni:Co alloy layer with composition 85:15 at. % [example (3)].

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

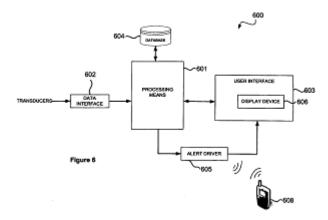
(22) Date of filing of Application :19/06/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MONITORING VOLAEMIC CONDITION IN A HUMAN OR ANIMAL SUBJECT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/12/2011 :WO 2012/079120 :NA :NA	(71)Name of Applicant:  1)STEPHEN FREDERICK WOODFORD  Address of Applicant: 9 TOWNSEND AVENUE, AVOCA BEACH, NEW SOUTH WALES 2251, AUSTRALIA Australia (72)Name of Inventor:  1)WOODFORD Stephen
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for processing data to monitor volaemic condition in a human or animal subject includes identifying one or more reference values for each of one or more haemodynamic variables; receiving haemodynamic data representing the one or more haemodynamic variables measured from the subject over time; for at least one of the one or more haemodynamic variables comparing the haemodynamic data with the respective one or more reference values; and identifying the existence of abnormal volaemic condition in the subject when the comparison indicates a deviation from the one or more reference values for at least one of the haemodynamic variables. The method may be combined with a visual display of haemodynamic data in real time ideally in conjunction with a visual indicator of ideal reference values.



No. of Pages: 41 No. of Claims: 38

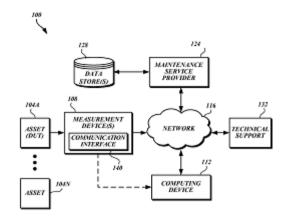
(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MAINTENANCE MANAGEMENT SYSTEMS AND METHODS

(51) International classification	:G06F11/22	(71)Name of Applicant:
(31) Priority Document No	:61/514,842	1)FLUKE CORPORATION
(32) Priority Date	:03/08/2011	Address of Applicant :6920 Seaway Boulevard Everett WA
(33) Name of priority country	:U.S.A.	98203 U.S.A. U.S.A.
(86) International Application No	:PCT/US2012/049647	(72)Name of Inventor:
Filing Date	:03/08/2012	1)NEELEY John
(87) International Publication No	:WO 2013/020110	2)Jordon Schlichting
(61) Patent of Addition to Application	:NA	3)MCMANUS Thomas
Number	:NA	4)BERGSTROM Peter
Filing Date	.11/1	5)BERDAN Lindsey
(62) Divisional to Application Number	:NA	6)FERRANTE Joseph V.
Filing Date	:NA	7)STUART Michael Devin

#### (57) Abstract:

Systems and techniques for obtaining and maintaining maintenance records for various assets are described. In one embodiment a computing device may be wirelessly coupled to a measurement device when the computing device is placed in proximity with the computing device. Upon measuring one or more parameters of a device under test (DUT) the measurement device may provide the measured parameters to the computing device in the form of measurement data. In some embodiments the computing device associates the measured parameters with the corresponding DUT from which the measurements were obtained and provides the associated measured parameter to for example a service provider for future access. In another embodiment the measurement device itself is configured to associate the measurement parameters with the DUT and provide the associated measurement parameters to the service provider.





No. of Pages: 50 No. of Claims: 26

(22) Date of filing of Application :31/01/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: ENGINEERED AND FABRICATED SHEET METAL WEIGHT BOX USING MILLED STEEL SHEETS, PIPE, FERRIC OXIDE FLAKES OR ROLLING MILL MILLED STEEL FLAKES OR SCRAP STEEL, NUTS, BOLTS, WASHERS AND SILICONE GEL.

<ul> <li>(51) International classification</li> <li>(31) 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>	:C09D 5/16 :NA :NA :NA :NA	(71)Name of Applicant:  1)SANTOSH ARVIND PRADHAN Address of Applicant: ARUNODAYA, PLOT NO.51, PIONEER HOUSING SOCIETY, SWAWLAMBI NAGAR, NAGPUR (MAHARASHTRA)INDIA 440 025. Maharashtra India (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)SANTOSH ARVIND PRADHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

I have made final drawings of the product which will be engineered and fabricated using milled steel sheet metal sheet, milled steel rods, ferric oxide flakes or rolling mill milled steel flakes or scrap steel for making weight box and allied such products which can replace various cast iron casting products, milled steel forging products, aluminum die casting products, aluminum extrusion products. Based on the drawings; I have made various types of Dies for making engineered and fabricated various types of milled steel sheet metal weight box as mentioned above. I have made the sheet metal fabricated engineered parts with the help of its press toolings and with the help of mechanical power press by using milled steel sheet material. I have assemble it in welding fixture and then done welding throughout the periphery. I have also attached two pipes in to the fabricated weight box for installing in to the mother assembly. I have erected table top mounted vibratory special purpose machine at the shop. At the top of the table I have mounted detachable plane milled steel sheet at the top portion of vibratory special purpose machine. I have placed empty fabricated milled steel sheet metal weight box at the top portion of the . vibratory special purpose machine than I have pour ferric oxide flakes or rolling mill milled steel flakes or scrap steel in to that empty box as per the drawings and after weighing it properly, I will start the vibratory machine to settle down the ferric oxide flakes or rolling mill milled steel flakes or scrap steel in to the weight box after that I will place the top portion of milled steel sheet metal part in to and weld it along the periphery. I have also make a bore to install a male and female flange coupler in to the top portion of milled steel sheet metal part. The outer milled steel sheet metal part can be welded or it can be bolted with the help of nuts, bolts and washers. Later on after doing physical checking operation, the cleaning of burr and the chamfering operation will be performed now the milled steel sheet metal weight box will be finally painted and it is now ready for the dispatch.

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

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A COMPOSITION AND A METHOD FOR IMPARTING STAIN RESISTANCE OR FLAME RESISTANCE TO FABRIC

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA MOTORS LIMITED
(32) Priority Date	:NA	Address of Applicant :Bombay House, 24 Homi Mody Street,
(33) Name of priority country	:NA	Hutatma Chowk, Mumbai 400 001, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MRUNAL RAVIKANT HATWALNE
(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 fabric treatment to impart stain resistance/repellence without adversely affecting the flammability of the fabric. Particularly, the present disclosure makes use of a composition comprising Compound A and Compound B optionally along with additives to impart stain resistance to the fabric and at the same time providing flame resistance to the fabric wherein compound A is a dispersion of fluoropolymers containing extender and compound B is a dispersion of oxime-blocked isocyanate . It also relates to a method of imparting stain resistance and flame resistance to fabric using the said composition.

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

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SWITCHING LOSS MEASUREMENT AND PLOT IN TEST AND MEASUREMENT 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></ul>	24/06 :NA :NA :NA	(71)Name of Applicant: 1)TEKTRONIX, INC. Address of Applicant:14200 SW KARL BRAUN DRIVE, P.O. BOX 500, BEAVERTON, OREGON 97077-0001 U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)KRISHNA N H SRI 2)GAJENDRA KUMAR PATRO
(61) Patent of Addition to Application Number	:NA	3)ABHINAV BAL
Filing Date	:NA	4)GURUSHIDDAPPA M N
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The disclosed technology relates to a method and apparatus for graphically displaying a switching cycle of a switching device. A switching voltage and a switching current are acquired for a device under test via a voltage probe and a current probe, respectively, for a plurality of switching cycles of the device under test. The switching current versus the switching voltage is plotted on a current versus voltage plot as a curve for each of the switching cycles. Each of the curves on the current versus voltage plot overlap each other and are displayed to a user.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: IMPROVED DUPLEX POWER PRESS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B30B15/16 :NA :NA	(71)Name of Applicant:  1)PRABHAKAR GANESH GOGATE  Address of Applicant:SHRAMADAN, 146/78/4+5,
(33) Name of priority country	:NA	BHUSARI COLONY LEFT, OPP. TELEPHONE EXCH., OFF
(86) International Application No	:NA	PAUD ROAD, KOTHRUD, PUNE - 411038 (INDIA)
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRABHAKAR GANESH GOGATE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a duplex power press (100). The duplex power press (100) comprises a first ram (10A), a second ram (10B), a first shaft (20A), a second shaft (20B), a pinion (30), an eccentric gear chain drive device, a motor (50), a bolster plate and a pump. The eccentric gear chain drive device generates highest vertical ram force at a required extreme down position of the rams (10A, 10B). The pump provides lubrication thereby increasing life of the power press machine and thus ultimate economy for a user of the power press machine. Figure 2

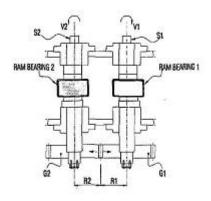


Figure - 1 A

No. of Pages: 17 No. of Claims: 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3582/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :14/11/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TOPICAL PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K35/20, A61P31/10, A61P17/00, A61P	(71)Name of Applicant: 1)CIPLA LIMITED Address of Applicant: MUMBAI CENTRAL, MUMBAI - 400 008, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)MALHOTRA, GEENA
(33) Name of priority country	:NA	2)RAUT, PREETI
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 41	<u> </u>	

## (57) Abstract:

Abstract: The present invention relates in general to a topical pharmaceutical composition comprising an antiretroviral agent in combination with a bactericidal agent and an antifungal agent, particularly for use as a contraceptive.

No. of Pages: 29 No. of Claims: 26

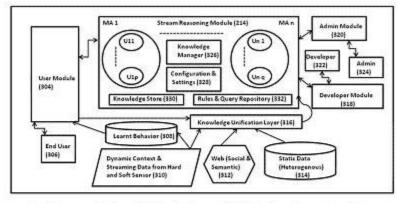
(22) Date of filing of Application :14/11/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR LINKED NOTIFICATIONS

(51) International classification	:G06Q30/00, G06F17/30, H04L29/08	(71)Name of Applicant:  1)Tata Consultancy Services Limited  Address of Applicant: Nirmal Building, 9th Floor, Nariman
(31) Priority Document No	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)BANERJEE, Snehasis
(86) International Application No	:NA	2)MUKHERJEE, Debnath
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7 X		

#### (57) Abstract:

Disclosed is a method and system for notifying a user subscribed to a plurality of software applications. The method may comprise storing data associated with the user in a database. Further, the method may comprise classifying the plurality of software applications into a plurality of groups based on a first set of data and a second set of data. The first set of data is common among software applications in a group, wherein the second set of data is common among two or more groups of the plurality of groups. Assigning a memory area of the database to each group, wherein the memory area stores the first set of data corresponding to each group. The method may further comprise identifying one or more groups associated with one or more memory areas based upon a pre-registered query and pre-registered rule executed on the one or more memory areas of the database. Finally, the method may comprise generating a notification alert associated with one or more software applications classified in the one or more groups.



Architecture of Universal Notification System (UNS) Based on Stream Reasoning

#### FIGURE 3

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

(21) Application No.129/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MODIFIED RELEASE COMPOSITIONS OF TRIPTANS

(51) I	A C11701	
(51) International classification	:A61K31	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MANUTOSH MANOHARRAO ACHARYA
(32) Priority Date	:NA	Address of Applicant :GANDHAR 33, FORTUNE GLORY,
(33) Name of priority country	:NA	NEAR GULMOHAR COLONY, E-8 EXTENSION, ARERA
(86) International Application No	:NA	COLONY TRILANGA P.O. BHOPAL (M.P.) 462039, INDIA.
Filing Date	:NA	Madhya Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MANUTOSH MANOHARRAO ACHARYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to modified release oral formulation of a triptan or its pharmaceutically acceptable salts, esters, solvates and derivatives thereof. More particularly, the present invention relates to modified release oral formulation of a triptan or its pharmaceutically acceptable salts, esters, solvates and that provide improved bio-availability and absorption. The present invention also relates to method of treating patients suffering from acute and chronic migraine associated with or without aura, cluster headache and related symptoms. Further the present invention also relates to process of preparation of such compositions

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

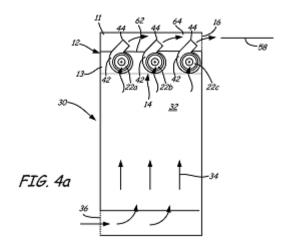
(22) Date of filing of Application :29/11/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COOLING MODULE WITH PARALLEL BLOWERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:27/06/2012 :WO 2013/003448 :NA :NA	(71)Name of Applicant:  1)BERGQUIST TORRINGTON COMPANY Address of Applicant:89 Commercial Boulevard Torrington CT 06790 U.S.A. U.S.A. (72)Name of Inventor: 1)DICKINSON Roger 2)OCONNOR John
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A cooling system for an electronics chassis includes a plurality of centrifugal blowers arranged to motivate cooling air through the electronics chassis. The centrifugal blowers are arranged in one or more sets each having blowers oriented with respective inlets in mutual facing relationship. The orientation positioning and alignment of the centrifugal blowers facilitates a compact arrangement of the plurality of blowers that achieves increased aerodynamic efficiencies to reduce noise output and energy consumption.



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

(22) Date of filing of Application :29/10/2013

(43) Publication Date: 25/09/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR ON-CHIP TEMPERATURE SENSOR

(51) T	G01177 (00	
(51) International classification	:G01K7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MAXIM INTEGRATED PRODUCTS, INC.
(32) Priority Date	:NA	Address of Applicant :160 RIO ROBLES DR., SAN JOSE,
(33) Name of priority country	:NA	CA 95134, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KEVIN KWAK
(87) International Publication No	: NA	2)RAJESH TIRUVURU
(61) Patent of Addition to Application Number	:NA	3)KRISHNA MAHESH KARANAM
Filing Date	:NA	4)ASHUTOSH RAVINDRA JOHARAPURKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various embodiments of the invention use the characteristics of BJTs to compute parameter values required to de-embed the effects of non-idealities including BJTs- mismatch in the reverse saturation current and process-dependent injection factor. In some embodiments, a temperature sensor circuit and method provide high temperature accuracy in a low-cost way by individually calibrating each part, thereby, eliminating the need to accurately measure temperature with a precision temperature sensor.

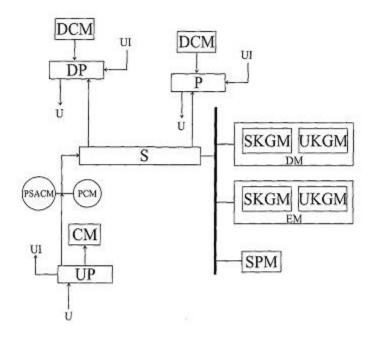


FIGURE 1

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

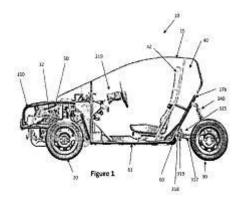
(22) Date of filing of Application :03/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A MOTOR VEHICLE

(51) International classification	:B60W50/08, G01S15/93,	(71)Name of Applicant: 1)BAJAJ AUTO LIMITED
(31) International classification	B60K31/00	Address of Applicant :AKURDI, PUNE - 411035, STATE OF
(31) Priority Document No	:NA	MAHARASHTRA, INDIA. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)JOSEPH ABRAHAM
(86) International Application No	:NA	2)GANDHI BHUSHAN SUBHASH
Filing Date	:NA	3)UPADHYAY PRASHANT PREMNATH
(87) International Publication 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 motorized vehicle including a frame structure and a prime mover characterized in the arrangement of track distance of wheel such that the track distance between front wheels is substantially different from track distance between rear wheels and preferably greater. The centre of gravity of the vehicle is substantially low or close to ground and proximate to front wheels for providing a convenient transport option with improved maneuverability, stability, parking convenience in congested space and fuel economy over small cars, particularly in urban areas and convenient motor transport for a small family with adequate amount of luggage space.



No. of Pages: 28 No. of Claims: 26

(22) Date of filing of Application :20/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: AUTOMATIC DIGITAL CONTROLLER FOR WATER PUMPS

:F22D5/32,	(71)Name of Applicant :
F01K9/02,	1)Prashant M. Dixit
F04D15/00	Address of Applicant :c/O Vijeta Switchgear Pvt Ltd, E-26,
:NA	MIDC, Kupwad Block, Sangli 416436, Maharashtra, India
:NA	Maharashtra India
:NA	(72)Name of Inventor:
:NA	1)Prashant M. Dixit
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	F01K9/02, F04D15/00 :NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

Disclosed herein is an integrated automatic digital system / controller for managing water supply in concerted control over the pump involved in supply of said water. Figure to accompany published abstract: Fig. 1



Fig 1: Automatic Digital Controller For Water Pumps

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

(22) Date of filing of Application :10/10/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: IN-PIPE TURBINE AND HYDRO-ELECTRIC POWER GENERATION SYSTEM

(51) International classification	:F03B13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KIRLOSKAR INTEGRATED TECHNOLOGIES LTD.
(32) Priority Date	:NA	Address of Applicant :13/A, KARVE ROAD, KOTHRUD,
(33) Name of priority country	:NA	PUNE - 411038 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOSHI ASHWIN SHARAD
(87) International Publication No	:N/A	2)GANU SHIRISH MADHAV
(61) Patent of Addition to Application Number	:NA	3)BHENDE UDAY YASHVANT
Filing Date	:NA	4)JOSHI SANJAY PRAKASH
(62) Divisional to Application Number	:NA	5)ADKAR PRASHANT RAMAKANT
Filing Date	:NA	6)MARATHE PRANAV SHAM

## (57) Abstract:

The invention encompasses a power generating system comprising in pipe turbine integrated with a permanent magnet generator in a simple compact and modular form which harness potential energy to generate electrical energy from energy contained in a fluid and which is adapted to a variety of hydraulic conditions and head heights.

No. of Pages: 27 No. of Claims: 10

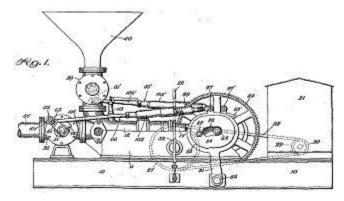
(22) Date of filing of Application: 12/12/2013 (43) Publication Date: 25/09/2015

# (54) Title of the invention: HYDRAULICALLY OPERATED BUT MECHANICALLY DRIVEN & MECHANICALLY REVERSED SIMPLE CONCRETE 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>	:F04B15/02, F04B53/12 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)AMIT ARUN GOKHALE Address of Applicant: C/O MR. J.D. APTE, BUNGALOW NO. 19, VAIKUNTH BUNGALOWS, SINDHI SOCIETY, CHEMBUR-MUMBAI-400 071 Maharashtra India 2)ANAND ARUN GOKHLE (72)Name of Inventor: 1)AMIT ARUN GOKHALE 2)ANAND ARUN GOKHLE
Filing Date	:NA	

#### (57) Abstract:

The Hydraulically operated but mechanically driven & mechanically reversed simple Concrete Pump as described in claim one, wherein the said device is provided with a mechanical arrangement which converts the rotary motion of a reduction gearbox driven by a prime-mover into a forceful self reversing reciprocating movement of a double acting hydraulic cylinder. The displaced oil due to this forceful action in turn operates another receiving cylinder wherein the reciprocating force and stroke-length of the receiving cylinder depends on the difference of the cross-section areas of the pistons of both the cylinders. The receiving cylinder operates a rubber piston inside a pumping cylinder which pumps during the forward stroke and sucks concrete in reverse stroke. The same oil also regulates the delivery & suction ports to achieve positive displacement of concrete. The rpm of the reduction gearbox represents the no. of working strokes which can be changed simply by changing the prime mover rpm or by using a variable speed reduction gearbox.



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

(22) Date of filing of Application :12/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A METHOD FOR PROVIDING INFORMATION AND A STRUCTURE FOR IMPLEMENTING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04W 4/00 :NA	(71)Name of Applicant:  1)EYELINE COMMUNICATIONS CIS  Address of Applicant: UL.MUSY DZHALILYA,3/1
(32) Priority Date	:NA	NOVOSIBIRSK,630055,RUSSIAN FEDERATION Russia
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)GUMIROV, VITALIY SHAMILOVICH
Filing Date	:NA	2)MATYUKOV, PETR YURIEVICH
(87) International Publication 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 methods and systems for conducting transactions. The method comprises collecting and transmitting information, setting up a USSD session with a user of a mobile device. The collection of information is performed from GSM/UMTS mobile cellular communication networks or GPS system or Wi-Fi positioning systems. The transmission of information is performed by sending an SMS message to a users mobile device in the transaction mode via Signalling System No. 7 (SS7) network components. The system comprises an gateway unit, an information unit, which is connected to the interface unit and is designed to collect information, an SMS unit, which is connected to the interface unit and a USSD unit.

No. of Pages: 18 No. of Claims: 8

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A COWL LIGHTING SYSTEM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H05B37/02, H05B41/36 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA TWO WHEELERS LIMITED Address of Applicant: D-1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE - 411019 MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor: 1)GHORPADE AVINASH GULABRAO 2)VENKATRAMAN YOGARAJA 3)JADHAV AKASH VASANTRAO
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#### (57) Abstract:

A cowl lighting system includes at least one lighting sub-system for configuring a pre-determined lighting profile. Each lighting sub-system includes a cavity, a light guide, a Printed Circuit Board (PCB) and at least one Light Emitting Diode (LED). The cavity is configured on the cowl body and has a profile corresponding to the pre-determined lighting profile. The light guide securely covers the cavity so as to configure an enclosure defining light travel path between the cavity and the light guide. The PCB is disposed within the enclosure and derives operating power from a battery of the vehicle via a cable harness. The at least one LED is disposed within the enclosure at one end thereof. The LED is controlled by the PCB and light emitted by the LED travels along the light travel path to configure a pre-determined lighting profile with continuously varying light intensity pattern.

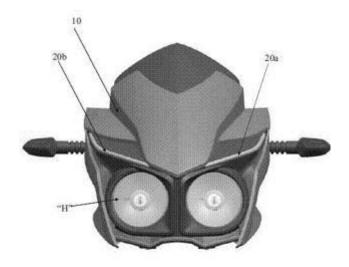


FIGURE 1

No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PHAKIC LENS DEVICE AND METHOD OF USING THE SAME

	:A61F	(71)Name of Applicant:
(51) International classification	2/16,	1)POLYMER TECHNOLOGIES INTERNATIONAL
	A61F2/14	(EOU)
(31) Priority Document No	:NA	Address of Applicant :BLOCK NO.310/C OF VILLAGE SIM
(32) Priority Date	:NA	OF DABHASA, TA. PADRA, DIST. VADODARA GUJARAT
(33) Name of priority country	:NA	319 440, INDIA Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ARGAL, SANJAY RAM SWAROOP
(87) International Publication No	: NA	2)HUSSAIN, MUNAVVAR TAHIR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A lens device structurally adapted to be positioned in the chamber of the eye, preferably the posterior chamber of the eye is disclosed. The device according to some embodiments of the present invention comprises a generally circular optical section characterized by at least one optical power, two generally flat haptic structures at radially opposite sides of the optical part, and a vaulted section connecting the optical section and the haptic structures. In some embodiments the device comprises at least one opening for allowing flow of liquid, through the device, between the posterior chamber and the anterior chamber of the eye.

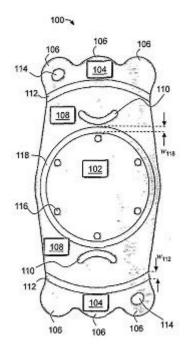


FIG. 1A

No. of Pages: 82 No. of Claims: 40

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

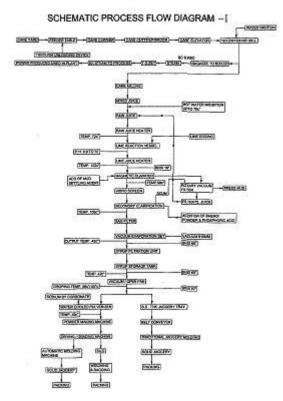
(43) Publication Date: 25/09/2015

# (54) Title of the invention: AN IMPROVED PROCESS FOR MANUFACTURING OF JAGGERY FROM SUGAR CANE

(51) International classification	:A23L2/02, A23L2/84	(71)Name of Applicant : 1)VITHAL DHANSING NIMBALKAR
(31) Priority Document No	:NA	Address of Applicant : CHAITANYA KIMYA NEAR
(32) Priority Date	:NA	SHIVPUSHPA APARTMENT, ANANDNAGAR, SINGHGAD
(33) Name of priority country	:NA	ROAD, PUNE - 411051 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VITHAL DHANSING NIMBALKAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		1

#### (57) Abstract:

The present invention provides a process for the preparation of non chemical jaggery from sugar cane. The method comprises heating the sugar cane juice, introducing the settling with addition of settling agents like ladies finger fruits powder, removing the mud and boiling and again subjecting it to secondary settling to obtain clear syrup and using a specially developed automatic machine to obtain powder or slabs of jaggery of desired size and shape. The jaggery produced by the method of the present invention is highly pure and without any chemical contamination as obtained by conventional methods.



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

(22) Date of filing of Application :26/05/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : HIGH DENSITY, ORIENTED POLYETHYLENE PRODUCTS AND A 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 Application Number Siling Date (83) International Publication Number Filing Date (84) Patent of Addition to Application 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 Publication Number Filing Date (81) International Classification Number Filing Date (81) International Classification Number Filing Date (82) International Publication Number Filing Date (83) International Publication Number Filing Date (84) International Publication Number Filing Date (85) International Publication Number Filing Date (86) International Publication Number Filing Date (87) International Publication Number Filing Date (87) International Publication Number Filing Date (87) International Publication Number Filing Date	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED Address of Applicant: 3RD FLOOR, MAKER CHAMBER-IV, 222, NARIMAN POINT, MUMBAI-400021, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor: 1)MATHUR AJIT BEHARI 2)GANDHAM SATYA SRINIVASA RAO 3)SATPATHY UMA SANKAR 4)SARMA KRISHNA RENGANATH 5)PATIL YOGESH P. 6)PATEL NANUBHAI F. 7)MEHTA GAURANG M. 8)JASRA RAKSH VIR
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### (57) Abstract:

The present disclosure relates to a process for the preparation of high density oriented polyethylene products such as sheets, films, fibers and tapes. The process includes steps such as providing pre-dried, disentangled ultra-high molecular weight polyethylene (UHMWPE) powder, minimizing static charge build-up by cooling the UHMWPE powder to obtain cooled UHMWPE powder, compacting the cooled UHMWPE powder by feeding the cooled UHMWPE powder at the nip of at least one pair of heated, polished counter rotating roller compactor maintained at a pre-determined temperature and at pre-determined rotations per minute (rpm) to obtain a preform and slitting the preform followed by hot stretching at a pre-determined temperature and stretching speed to obtain the high density oriented polyethylene product.

No. of Pages: 31 No. of Claims: 29

(22) Date of filing of Application :13/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A SYSTEM AND METHOD TO FACILITATE MODELING OF ASPECTS OF AN ENTERPRISE

(51) International classification	10/00	(71)Name of Applicant: 1)Tata Consultancy Services Limited
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)BARAT, Souvik
Filing Date	:NA	2)KULKARNI, Vinay
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System and method for modelling and simulating a decision making process of an enterprise is disclosed. Data corresponding to a plurality of units in the enterprise is received. For each unit, a unit configuration may be determined. The unit configuration comprises goals of the unit, a set of internal properties of the unit, a set of functions of the unit, events to be handled by the unit, and a composition structure of one or more units to interact with other units of the plurality of units participating to perform a task. Further, a plurality of tuples is specified for the unit configuration. The plurality of tuples of the unit configuration is translated into an executable programming language. Subsequently, the unit configuration is simulated using the executable programming language to analyze decision making of the enterprise corresponding to the plurality of units for the unit configuration.

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

(22) Date of filing of Application :14/11/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A CONSISTENT, FRESH, FASTLY BREWED TEA BEVERAGE 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></ul>	:A23F3/20, A23F3/16 :NA :NA :NA	(71)Name of Applicant:  1)ABN NEUTRA NATURAL BEVERAGES Address of Applicant: G2/C, INDRARAJ APARTMENTS, 1180, SHIVAJI NAGAR, FERGUSSON COLLEGE ROAD, PUNE - 411005, MAHARASHTRA, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. JADHAV, BALASAHEB
(87) International Publication 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 consistent, fresh, fastly brewed tea-beverage and method of making the same by use of automatic espresso machine. In the currently used manual method of preparing tea, through non-standard set ups used by different tea-preparers, where water with tea dust/leaves, is boiled in a pot on a heat source, the volatile organic compounds get mixed with brewed tea, resulting into health hazards by reducing the good effects of antioxidants present in the tea dust. Additionally, when milk is boiled together with water containing tea dust/leaves, the milk may counteract the favourable health benefits of tea for vascular function. Similarly, when brewed tea is prepared at a time in large quantities for being served to a large number of tea-drinkers, many times the tea is brewed much in advance of the tea-serving-time, it should be noted that when the brewed tea is left for 3 to 4 hours before serving it, the brewed tea is susceptible to bacterial growth, whereby it may get oxidized and may produce cancer-causing-substance called Nitrosamine. These problems are over come when tea-beverage is prepared by use of espresso machine, wherein different steps including pre-infusion, pressurized heated extraction, separate heating and dispensing of milk, followed by sugar-addition and stirring are used. The invention method can be used in large work places where tea-beverage is to be served to large group of employees.

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

(22) Date of filing of Application :31/05/2013

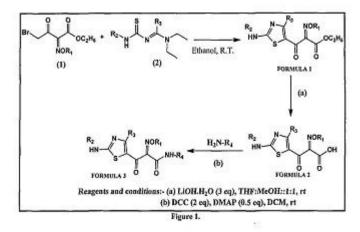
(43) Publication Date: 25/09/2015

# (54) Title of the invention : NEW USE OF 2-SUBSTITUTED AMINO-5-THIAZOLYL ANALOGUES AGAINST DIABETES, OBESITY AND AUTOIMMUNE DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D 491/048 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. KAMALA K. VASU Address of Applicant: B. V. PATEL PERD CENTRE, SARKEJ-GANDHINAGAR HIGHWAY, THALTEJ, AHMEDABAD 380 054 Gujarat India (72)Name of Inventor:  1)KAMALA KUNJU VASU 2)PAVITRA SURESH THACKER 3)JAYESH ANILKUMAR SHARMA 4)A. ABHIRAMASUNDARI
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#### (57) Abstract:

Herein the new use of thiazolyl analogues against diabetes, obesity are disclosed having utility in treating inflammatory conditions, immunoinflammatory conditions, autoimmune diseases, and cancers. Methods for the synthesis of these compounds are also disclosed.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3370/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :25/10/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION

	:A61K36/06,	(71)Name of Applicant:
(51) International classification	A61K36/81,	1)CIPLA LIMITED
	A61K31/35	Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400
(31) Priority Document No	:NA	008, MAHARASHTRA, INDIA. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MALHOTRA, GEENA
(86) International Application No	:NA	2)PURANDARE, SHRINIVAS MADHUKAR
Filing Date	:NA	
(87) International Publication 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 pharmaceutical composition comprises a self-emulsifying drug delivery system, wherein the self-emulsifying drug delivery system comprises efavirenz and one or more pharmaceutically acceptable excipients.

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

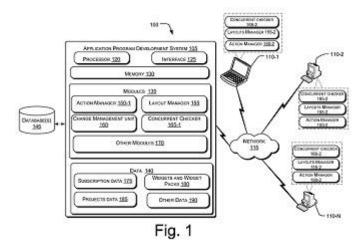
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR DEVELOPING APPLICATION PROGRAMS

<ul> <li>(51) International classification</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>	:G06Q 30/04 :NA :NA :NA :NA	(71)Name of Applicant: 1)KRONOSIS HYPER TECHNOLOGIES PRIVATE LIMITED Address of Applicant: 207, Unique Industrial Estate, Off Veer Savarkar Road, Near Sidhivinayak Temple, Prabhadevi, Mumbai 400025, India Maharashtra India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)VAIDYA, Anuraag Ravi
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)SHAH, Abhi Jayant
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present subject matter relates to systems (105) and methods for developing application programs. In an example, an application development system (105) may include a widgets and widget packs unit (216) and a collator (157). The widgets and widget packs unit (216) may receive user inputs for configuring one or more widgets to develop an application program. A widget (330) may include a pre-developed code snippet to generate a part of an application source code of the application program. Further, the collator (157) may initiate execution of the one or more widgets to provide a corresponding source code, based on user inputs and the pre-developed code snippet. The source code generated by the widgets may be collated, before the application program is deployed. Furthermore, the source code corresponding to the one or more widgets may be appended in a corresponding section of the application program.



No. of Pages: 62 No. of Claims: 39

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

### (54) Title of the invention: IMD MAKE BLUE P3R REACTIVE POWDER FOR PRINTING ON CLOTH BY HOT 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></ul>	9/16 :NA :NA :NA	(71)Name of Applicant:  1)IM DYE CHEM  Address of Applicant:PLOT NO.1, SIKANDAR MARKET,  OPP.STYLE WASH EMPROCESS GALI, DANILIMDA, AHMEDABAD-380022, GUJARAT, INDIA. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)IM DYE CHEM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A firm known as M/s. I.M. DYE CHEM, based at AHMEDABAD (Gujarat) has first time invented Reactive Powder Blue P3R indigenously through its constant Research & Development for many years The promoter of this firm is engaged in family business of dyes and chemicals since last few decades. Reactive Powder Blue P3R is manufactured from different types of chemicals in reaction vessel by applying steam at specific temperature and pressure and filtration method. Reactive Powder Blue P3R is used for printing of cotton cloth by screen printing machine by hot process. These dyes are applied under strong alkaline condition at high temperature of application compared to cold dyes. These dyes contain very good fastness property to wash; light etc. and also more self life compared to other dyes. The most important characteristic of Reactive Powder Blue P3R is the formation of covalent bonds with the substrate to be colored i.e. the dyes forms a chemical bond with cellulose which is the main component of cotton fiber. The market demand of Reactive Powder Blue P3R is very high in under developed countries like Pakistan, Bangladesh and Middle East. Thus there remains a considerable need for Reactive Powder Blue P3R in the market for dyeing industry.

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

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SOLAR POWERED PREFABRICATED INSULATED PLATE WITH COOLING SYSTEM FOR FISH STORAGE IN FISH TRAWLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60K 6/365 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DEEPAK K SOLANKI Address of Applicant: POST BAG 1137, VASCO POST OFFICE, VASCO-DA-GAMA, GOA - 403802 Goa India (72)Name of Inventor:  1)DEEPAK K SOLANKI
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#### (57) Abstract:

A UNIT DEVICE IS VERY MUCH USEFUL FOR THE FISH STORAGE SYSTEM PROCESS WHEN THE FISHING TRAWLERS IS ON SAILTO CATCH THE FISH AS THE STORAGE CAPACITY CAN BE INCREASED WITH MORE STORAGE SPACE WITH 1 TO 2 DAYS OF EXTRA SAILING . THE UNIT CAN MAINTIAN THE COOLING TEMPRETURE IN THE COOL CHAMBER FOR FISH STORAGE @ -10 °C TO +10 °C AT AMBIENT TEMPERATURE OF 30 °C to 40°C.

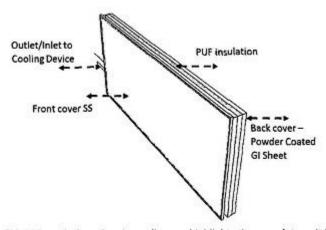


FIG 01 Description- the above diagram highlights the complete unit layout with 3 tier layer details & Perspective view,

No. of Pages: 7 No. of Claims: 3

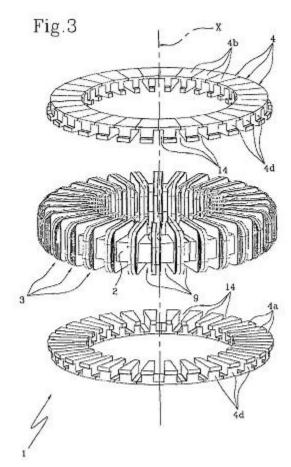
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: STATOR OF AN AXIAL FLOW ELECTRIC MACHINE AND METHOD FOR MAKING IT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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	(71)Name of Applicant:  1)LUCCHI R. ELETTROMECCANICA S.R.L. Address of Applicant: VIA PALMIRO TOGLIATTI, 3 - FRAZ. VISERBA, 47922 RIMINI ITALY Italy (72)Name of Inventor: 1)LUCCHI FABIO
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Described is a stator for an axial flow electric machine comprising a toroidal core (2) made from ferromagnetic material and a plurality of windings (3) and teeth (4) angularly distributed on the core (2) in an alternating configuration. The teeth have, on at least one relative lateral surface, a shaped profile defining at least one gripping surface (12) such as to act in conjunction with a matrix of resin designed to stably press the teeth (4) on the core (2).



No. of Pages: 27 No. of Claims: 19

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: WATER FLOW REGULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D 61/02 :NA :NA :NA :NA	(71)Name of Applicant:  1)NARAYAN RAMCHANDRA SOLAPURKAR Address of Applicant: AT-34, MAYUR COLONY, KOTHRUD, PUNE-411038, MAHARASHTRA, INDIA Maharashtra India  2)GURUPRASAD NARAYAN SOLAPURKAR 3)SUDHIR SURESH KENJALE 4)CHAITANYA B. (72)Name of Inventor: 1)NARAYAN RAMCHANDRA SOLAPURKAR 2)GURUPRASAD NARAYAN SOLAPURKAR 3)SUDHIR SURESH KENJALE 4)CHAITANYA B.
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### (57) Abstract:

Disclosed is a water flow regulator secured in an extension pipe which is connected to an inlet of a tap. The water flow regulator comprises a hollow elongated cylindrical body having first closed end and a second closed end. Further, the hollow elongated cylindrical body comprises at least two openings configured on body thereof. The water flow regulator reduces pressure and velocity of the water flowing through the tap.

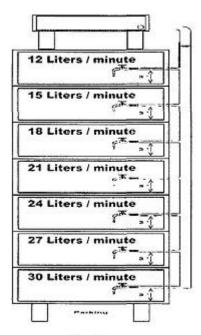


Figure 1

No. of Pages: 11 No. of Claims: 2

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: PNEUMATIC FLUID LIFTER

(51) International classification	:A01H 4/00	(71)Name of Applicant: 1)PATEL PRAVIN MANUBAHI
(31) Priority Document No	:NA	Address of Applicant :AT AND POST:- ENA VILLAGE,
(32) Priority Date	:NA	TEHSIL:-PALSANA, 394310. DIST: SURAT, GUJARAT
(33) Name of priority country	:NA	Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PATEL PRAVIN MANUBAHI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention pertains to Pneumatic Fluid Lifter which can transfer all types of light and heavy density and low to high viscosity liquids without use of any external electric motor / pump. The Pneumatic Lifter does not have gland packing thereby prevents wastage of fluids through leakage and further measures fluids/molasses discharge and its performance improves the efficiency, reduces costs and increases productivity in such applications of any industries. The Pneumatic Fluid Lifter is a equipment easy to operate for fluid displacement in various industries which involves transferring any type of liquid. Molasses flows from Molasses Tank to Lifter Vessel by gravity flow, and when material reaches from minimum to maximum level with the aid of various control valves and non-return valves so structured that, the material / fluid lifted in batches flawlessly by such pneumatic fluid lifter whereby the cost, time and resources which got spent and employed respectively reduces drastically.

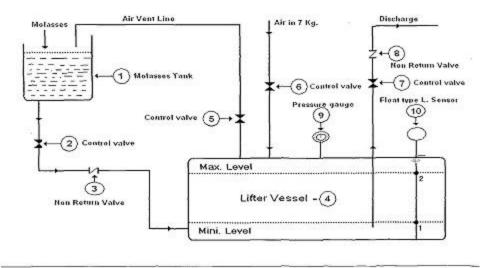


Fig. 1

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

(22) Date of filing of Application :29/05/2013

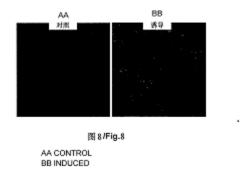
(43) Publication Date: 25/09/2015

# (54) Title of the invention : SUB TOTIPOTENT STEM CELL PRODUCT AND EPIGENETIC MODIFICATION LABEL THEREOF

(51) International classification (31) Priority Document No (32) Priority Date	:C12N5/0/4,C12N5/0//5,C12N15/12	CO; LTD  Address of Applicant :ROOM 410, LEVEL4, TOWER C,
(33) Name of priority country	:China	NO.18 XIHUAN SOUTH ROAD, ECONOMIC & TECHNICAL DEVELOPMENT ZONE, BEIJING 100176, CHINA, China
(86) International Application No Filing Date	:PCT/CN2011/083380 :02/12/2011	(72)Name of Inventor: 1)ZHAO Chunhua 2)LI Jing
(87) International Publication No	:WO 2012/075912	3)LI Hongling 4)CHEN Jianhe
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)HAN Qin 6)LI Kanghua 7)WANG Jing
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are a sub totipotent stem cell product and apparent hereditary modifying label thereof a method for inducing the generation of the sub totipotent stem cell product and identification for the apparent hereditary modifying label of the differentiated potential of stem cells. Also provided is a use of a histone modifying state of a sub totipotent gene and/or differentiated related gene to predict the apparent hereditary modifying label of the differentiated potential of stem cells.



No. of Pages: 58 No. of Claims: 11

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

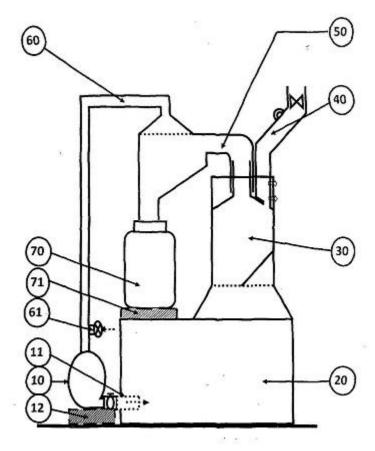
(43) Publication Date: 25/09/2015

# (54) Title of the invention : CONTINUOUS FEEDING AND EXIT DEVICES FOR CONTINUOUS TYPE WHIRLING BED HOT AIR PUFFING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	B01D53/96 :NA :NA :NA :NA :NA :NA	Address of Applicant :KRISHI NAGAR, AKOLA - 444 104, MAHARASHTRA, INDIA Maharashtra India 2)ICAR-ALL INDIA COORDINATED RESEARCH PROJECT ON POST HARVEST TECHNOLOGY, CIPHET, LUDHIANA (72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)ISHVAR LAKHICHAND PARDESHI
Filing Date	:NA	2)VITTHAL BHAURAO KALMEGH
(62) Divisional to Application Number	:NA	3)ONKAR AVINASH BABAR
Filing Date	:NA	

### (57) Abstract:

The present invention relates to conversion of existing batch type whirling bed hot air puffing system into continuous one by introducing devices for continuous feed of puffing material and continuous exit of puffed material. The developed continuous type whirling bed hot air puffing system operates using electrical heating system and uses re-circulated hot air to reduce heat load and the continuous operation enables multifold increase in capacity of the system. It enables puffing of different grains, fryums, chips, sago balls, cold extrudates, and many other materials having puffing ability.



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

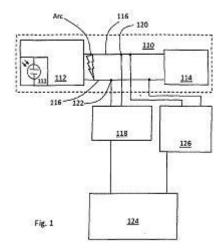
(22) Date of filing of Application :28/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ELECTRICAL PROTECTION DEVICE AND METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:1302703.2 :15/02/2013	Address of Applicant :THE GRO, POOL ROAD,
(33) Name of priority country (86) International Application No	:GB :NA	NEWTOWN SY16 3BE UNITED KINGDOM U.K. (72)Name of Inventor:
Filing Date	:NA	1)HEERDT FRANK WEINER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA :NA	

# (57) Abstract:

A voltage measurement is made between two points in a circuit. If the measured voltage exceeds a predetermined amount, a switch is operated to electrically connect the two points.



No. of Pages: 34 No. of Claims: 23

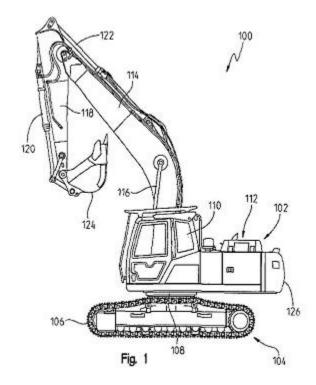
(22) Date of filing of Application :26/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TEMPERATURE CONTROL SYSTEM OF A MACHINE AND METHOD THEREOF

(51) International classification	:F01P7/12	(71)Name of Applicant :
(31) Priority Document No	:61/819,176	
	,	
(32) Priority Date	:03/05/2013	
(33) Name of priority country	:U.S.A.	MOLINE, ILLINOIS, 61265-8098, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KNIPPER JASON G
(87) International Publication No	: NA	2)JONES AMY K
(61) Patent of Addition to Application Number	:NA	3)SHERLOCK LANCE R
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides a method of controlling a cooling system on a work machine. The method includes providing a first power-generating device, a second power-generating device, a first cooling fan, a second cooling fan, a controller, and a fan control device disposed in fluid communication between the first cooling fan and second cooling fan. The method also includes determining if one of the first power-generating device or second power-generating device is operating at an input speed below a speed threshold and detecting if a diagnostic troubleshooting code is active with respect to the fan control device. The method further includes sending a signal to the fan control device, enabling the fan control device, and providing hydraulic power to the first cooling fan and second cooling fan by whichever of the first power-generating device or second power-generating device is operating at an input speed above the speed threshold.



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

(22) Date of filing of Application :26/12/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SOLARIDE: ECO-FRIENDLY HYBRID SOLAR BICYCLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B62M6/85 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SIDDHESH PRADEEP SALI Address of Applicant: 'BHAKTIPUSHPA', M.I.GII, 33, HUDCO COLONY, MANMAD-423104 Maharashtra India (72)Name of Inventor:  1)SIDDHESH PRADEEP SALI
<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:

The present invention describes a bicycle which may either be driven manually by the user or by power stored in rechargeable batteries wherein the batteries are charged by a solar panel or by a D.C. charger (operating on A.C. mains). The bicycle is a light weight, geared bicycle, supplied with a brushless D.C. hub motor (fixed on axel of rear wheel) receiving energy stored in a battery charged by solar energy with help of solar panels fixed on the bicycle or by electric energy by D.C charger (operating on A.C. mains). The shifting of charging mode is done automatically due to auto switch. The bicycle is further equipped with a low battery cut off system and a high battery cut off system and a battery level indicator to prevent damage to the battery and a speed control device to automatically cut off the power supply to motor if the bicycle exceeds its speed limit and automatically restart power supply to motor when the bicycle speed goes down the speed limit.

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

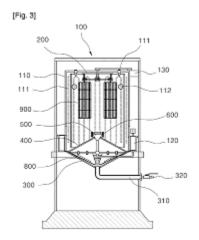
(22) Date of filing of Application :05/09/2013 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: FOOD ROASTING DEVICE

(51) International classification	:A47J37/04,A23B4/044	(71)Name of Applicant:
(31) Priority Document No	:10-2012-0124934	1)LEE Hyun Woo
(32) Priority Date	:06/11/2012	Address of Applicant :(Seongrim Apt. Sanggye dong) 101 910
(33) Name of priority country	:Republic of Korea	25 Deongneung ro 127 gil Nowon gu Seoul 139 200 Republic of
(86) International Application No	:PCT/KR2012/009520	Korea Republic of Korea
Filing Date	:12/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2014/073724	1)LEE Hyun Woo
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.114	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a food roasting device and the food roasting device for enabling the taste and flavor of medicinal ingredients to be permeated into food by comprising a medicinal ingredient box within a heating chamber and preventing the medicinal ingredients and the food or the like from being contaminated by food leftovers or oil constituents while cooking comprises: a body which includes a heating chamber provided with a hot wire; a rotation unit which is installed on an upper end inside the heating chamber and which rotates food to be cooked; a water tank unit which is installed on a lower end inside the heating chamber and which has an inverted conical shape with an open top and stores water such that the food can be wet heated; a drop inducing unit which is coupled to the water tank unit and which has a conical shape with open top and bottom parts such that an oil constituent dropped from the food can flow into the water tank unit; a steam adjusting member for inducing moisture evaporated through the open top part of the drop inducing unit such that the induced moisture can be constantly convected inside the heating chamber; and a medicinal ingredient box which is adjacent to the steam adjusting member and which has a net structure such that the flavor of accommodated medicinal ingredients can be permeated into the food during wet heating.



No. of Pages: 32 No. of Claims: 16

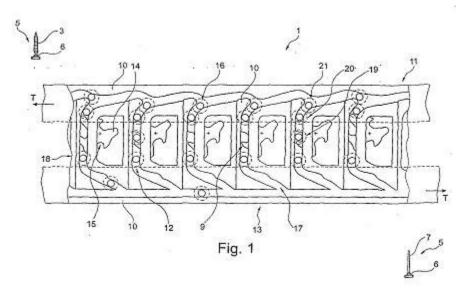
(22) Date of filing of Application :16/07/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SPINNING COP AND TUBE TRANSPORTING SYSTEM FOR A TEXTILE MACHINE PRODUCING CROSS-WOUND BOBBINS

	:B65H67/04,	(71)Name of Applicant:
(51) International classification	D01H9/18, D01H9/02,	1)OERLIKON TEXTILE GMBH & CO. KG Address of Applicant :LEVERKUSER STRASSE 65, D -
	B65H67	42897 REMSCHEID, GERMANY Germany
(31) Priority Document No		(72)Name of Inventor:
(32) Priority Date	:17/08/2012	1)FORCHE, TORSTEN
(33) Name of priority country	:Germany	2)IDING, MICHAEL
(86) International Application No	:NA	3)MUND, MANFRED
Filing Date	:NA	4)WASSEIGE, FRANK
(87) International Publication 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 propose a spinning cop and tube transporting system 1, which ensures the supply in accordance with requirements of the winding heads 2 of a winding machine with spinning cops 3 and the disposal of unwound tubes 7, at the same time allows an efficient run up to speed of all the winding heads 2 after a feed change or a disruption and prevents the rear winding heads 2 from idling during machine operation. While the transporting means 14 conveys a transporting plate 5 with spinning cops 3 to be unwound into the unwinding position 8, the transporting plate 5 with the unwound tube 7 is at the same time transported to the return section 13. Transporting plates 5 with their spinning cops 3, which are already located in a reserve position 19, 20, 21 of the transverse transporting section 12, can be conveyed back again onto the feed section 11, so that only a predetermined number of transporting plates 5 is located in the reserve positions 19, 20, 21. As a result, the transporting plates 5 with their spinning cops 3 to be unwound can be transported at short notice to winding heads 2 located downstream, in order to prevent individual winding heads 2 idling.



No. of Pages: 22 No. of Claims: 8

(22) Date of filing of Application :06/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING CROWD SOURCING PLATFORM FOR LANGUAGE TRANSLATION

(51) International classification (31) Priority Document No	:G06F17/28 :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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KARANDE, Shirish Subhash
(87) International Publication No	: NA	2)SRINIVASAN, Iyengar Venkatachary
(61) Patent of Addition to Application Number	:NA	3)LODHA, Sachin P.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present subject matter discloses a system and a method for allocating task on crowd sourcing platform. A task may be received from a first user on the platform. Further, a protocol may be configured by the first user indicating one or more task actions to be performed for completing the task. Further, a hierarchy comprising a plurality of micro-tasks associated with the task may be created. Based on the protocol configured, the system may assign a task action to each of the plurality of micro-tasks. Further, the system may allocate each of the plurality of micro-tasks to a second user based on the task action assigned and a set of parameters. The set of parameters may comprise second user metadata, completion time associated with each micro-task, size of each micro-task, and form factor of an interface accessed by the second user.

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

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF TRAZODONE AND SALTS THEREOF.

(51) International classification	:A61K1/31	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PIRAMAL ENTERPRISES LIMITED
(32) Priority Date	:NA	Address of Applicant :PIRAMAL TOWER, GANPATRAO
(33) Name of priority country	:NA	KADAM MARG, LOWER PAREL, MUMBAI-400 013, STATE
(86) International Application No	:NA	OF MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KADAM, SHASHIKANT
(61) Patent of Addition to Application Number	:NA	2)SOMISETTI, NARENDER RAO
Filing Date	:NA	3)ASHILI,SRINIVAS
(62) Divisional to Application Number	:NA	4)RAIGONI, NARSIMULU
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an improved process for preparation of the substantially pure trazodone and its hydrochloride salt. The process comprises reaction of the compound-II (as described) with the compound-III (as described) optionally in the presence of an inorganic base, and a catalyst; wherein in the said process the trazodone free base and/or its hydrochloride salt are isolated by precipitation at lower temperature. The improved process for the preparation of trazodone hydrochloride (the compound I) provides the product with total amount of alkylating substances (as described herein) as impurity in less than 10 ppm. The improved process for the preparation of trazodone hydrochloride (the compound I) provides the product with total amount of 1-(3-chlorophenyl)-4-(3-chloropropyl) piperazine as an impurity in less than 2.5 ppm.

No. of Pages: 29 No. of Claims: 22

(22) Date of filing of Application :04/02/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: HIGH EFFICIENCY SCALABLE STRUCTURE

(51) International classification :E04F17/04,F24F7/04,G06F1/20 (71)Name of Applicant :

(31) Priority Document No :61/507,521 (32) Priority Date :13/07/2011 (33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/046641

Filing Date :13/07/2012

(87) International Publication No: WO 2013/010068

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

Number :NA Filing Date

1)OREGON HEALTH & SCIENCE UNIVERSITY

Address of Applicant :0690 SW Bancroft Street Portland OR

97239 U.S.A. U.S.A. (72) Name of Inventor:

1)GLIESSMAN Perry

#### (57) Abstract:

A building may include a floor a dome having a vent and an internal ceiling that divides areas underneath the dome into first and second chambers. The internal ceiling may have an aperture that is structured to allow air to pass from the first chamber into the second chamber. The building may also include an air inlet configured to allow air to travel from outside the building into the first chamber and an air moving device that is configured to facilitate the movement of the air. The building may also include an air cooling element that is configured to cool the air as it travels from outside the building into the first chamber.

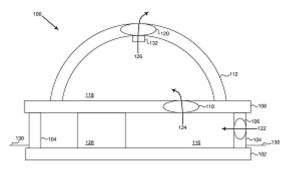


Figure 1

No. of Pages: 33 No. of Claims: 37

(22) Date of filing of Application :24/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : FORMULAS COMPRISING HIGHLY SOLUBLE ELEMENTS AND VITAMIN FOR THE PREVENTION AND AMELIORATION OF OSTEOPOROSIS

(51) International (A61K33/06,A61K31/593,A61K33/30)

classification (31) Priority Document No :100126601

(31) Priority Document No :100126601 (32) Priority Date :27/07/2011 (33) Name of priority country :Taiwan

(86) International :PCT/IB2012/053872

Application No
Filing Date

FOR 17152012

:27/07/2012

(87) International Publication No :WO 2013/014654

(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)SINOVEDA CANADA INC.

Address of Applicant: 100 BBDC 2011 94th Street Edmonton

Alberta T6N 1H1 Canada. Canada

(72)Name of Inventor: 1)TAM Yun Kau

### (57) Abstract:

The present invention provides methods of producing dosage forms for formulas of elemental compositions encompassing acetate salts of calcium magnesium and zinc along with vitamin D 3. The acetate salts could be extracted from natural sources such as pearls coral and oyster or compounded using synthetic materials. The dosage and ratio of calcium to magnesium was estimated using in vitro and in vivo estimations. The dosage for promoting bone health and alleviation of osteoporosis is about a quarter to a third of the conventional dose.

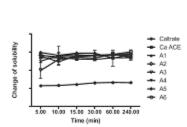


FIGURE (

No. of Pages: 67 No. of Claims: 10

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: FORMULATION OF 'ACNESOME' A NOVEL DRUG DELILVERY SYSTEM FOR ACNE.

<ul><li>(51) International classification</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>	A61K9/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)PROF. (DR.) SURENDRA JAIN Address of Applicant: DIRECTOR, SIRT-PHARMACY, SAGAR CAMPUS, AYODHYA BYPASS ROAD, BHOPAL 462041 MADHYA PRADESH Madhya Pradesh India (72)Name of Inventor:
Filing Date	:NA	1)PROF. (DR.) SURENDRA JAIN
(87) International Publication 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 human skin is the outer covering of the body. In humans, it is the largest organ of the integumentary system. Skin type can range from dry to oily. Such skin variety provides a rich and diverse habitat for bacteria which number roughly at 1000 species from 19 phyla. The oily skin is mainly responsible for the formation of acne on the skin. The skin Acne diseases may cause the suicidal case 7% worldwide and 70-80% teenage people is surfing of Acne. 1% clindamycin phosphate and its combination with teritoin and benzoyl peroxide are used to increase the penetration of skin. Clindamycin is water soluble drug and skin is lipophilic in nature so its very hard to make direct absorption of drug in the skin. Acnesome = Liposome+Niosomes+Transferosome+ Ethosome. This research has been resized in the form to formulate the Particulate system for the hydrogel topical delivery of the drug so the drug will show longer action in the particular site of inflammation. The drug have been incorporated inside vesicle and provide a control release drug delivery system that provide longer duration of action due to as a transferosome form they will penetrate easily in skin first so no residue on the skin will appear and the drug will accumulate particular site of Action and show its effect in control manner. The ACNESOME provide an elaborative and creative future tactics in the topical preparation in medical and cosmetic preparations by providing change in the formulation o/the vesicular system. The Acnesome has a new platform for the Acne. A novel innovation on the New Drug Delivery System and Control Drug Delivery System which efficaciously safe for the skin, by avoiding unwanted direct use of chemicals on the skin.

No. of Pages: 24 No. of Claims: 7

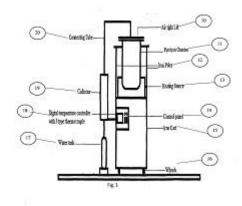
(22) Date of filing of Application :15/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IMPROVED METHOD OF PRODUCING FUEL LIKE LIQUID FROM WASTE PLASTIC

(51) International classification :C10G1/0 (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)GAJENDRA DIXIT Address of Applicant:DEPARTMENT OF MECHANICAL ENGINEERING, MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL-462051, MADHYA PRADESH, INDIA Madhya Pradesh India 2)SAVITA DIXIT 3)VIJESH DIXIT (72)Name of Inventor: 1)GAJENDRA DIXIT 2)SAVITA DIXIT 3)VIJESH VERMA
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### (57) Abstract:

A process of producing fuel like liquid and apparatus for producing the fuel like liquid is disclosed. The process of producing fuel like liquid utilise decomposition of low density polyethylenes at an elevated temperature in the presence of natural agent derived from coconut. The apparatus designed to perform said decomposition process is able to collect fuel like liquid product in gaseous as well as liquid form.



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

(22) Date of filing of Application :09/07/2013

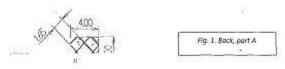
(43) Publication Date: 25/09/2015

# (54) Title of the invention : ADJUSTABLE ORTHODONTIC BRACKET FOR TIP, TORQUE & ROTATIONAL MOVEMENTS WITH AN ANGLE MEASURING SCREW DRIVER

(51) International classification	:A61C7/14	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. ALKA MANISH BANKER
(32) Priority Date	:NA	Address of Applicant :6, ASHOK NAGAR SOCIETY,
(33) Name of priority country	:NA	BHATTHA, PALDI, AHMEDABAD - 380007, GUJARAT,
(86) International Application No	:NA	INDIA. Gujarat India
Filing Date	:NA	2)HARMINDER SINGH ARORA
(87) International Publication No	: NA	3)DR. VASANI RUPESH PARMANAND
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. ALKA MANISH BANKER
(62) Divisional to Application Number	:NA	2)HARMINDER SINGH ARORA
Filing Date	:NA	3)DR. VASANI RUPESH PARMANAND

#### (57) Abstract:

Orthodontic bracket is a member which is fixed onto the tooth surface & is used for transmitting the force of the arch-wire to the tooth, causing tooth-movements. This dynamic and movable orthodontic bracket is made up of 3 co-centric half spheres fitting together: Part A:- To be fixed on the tooth surface Part B:- To be fixed onto part A Part C:- Screw which is threaded through parts A & B to join them together.



No. of Pages: 22 No. of Claims: 3

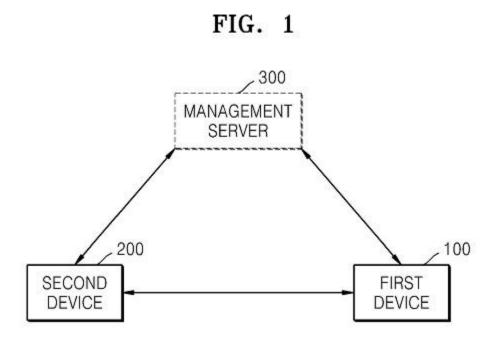
(22) Date of filing of Application :29/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR DISPLAYING OBJECT, AND METHOD AND SYSTEM FOR PROVIDING THE OBJECT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:10-2013- 0011492 :31/01/2013 :Republic	(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 Republic of Korea
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	of Korea :NA :NA : NA :NA	(72)Name of Inventor: 1)Sang-ok CHA 2)Jong-hyun RYU 3)Hee-chul JEON 4)Won-young CHOI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A first device for displaying an object related to content reproduced by a second device is provided. The first device including a sensor which senses an exit of the first device from a service zone of the second device during reproduction of the content by the second device; a communication device which requests a management server for an object related to the content, the object including link information for receiving information about the content reproduced by the second device at a point of time when the sensor senses the exit, and for receiving the object related to the content from the management server; and a controller which controls a display to display the received object related to the content on a predetermined screen of the first device.



No. of Pages: 106 No. of Claims: 15

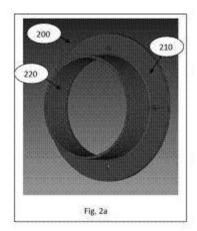
(22) Date of filing of Application :31/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IMPROVED TWO-PIECE COVER FOR SEAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B32B7/12, B32B15/04 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED  Address of Applicant: Gateway Building, Apollo Bunder, Mumbai 400001, Maharashtra, INDIA Maharashtra India (72)Name of Inventor:  1)Joshi Swanand Shripad  2)Waghode Ramesh Arjun  3)Gajendragadkar Prashant Anant
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#### (57) Abstract:

TITLE.: IMPROVED TWO-PIECE COVER FOR SEAL The present invention provides a protective cover for a seal to avoid or deflect direct exposure of mud, water, slurry and foreign mater into the seal disposed between a pair of rotatable members in a vehicle is disclosed. The protective cover rotates along with the seal and could be easily retro-fitted to said seal. In an embodiment the present invention provides a seal assembly for a vehicle axle. Ref. Fig 2a



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3918/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :13/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INTRANASAL PHARMACEUTICAL COMPOSITIONS OF POLYMERIC NANOPARTICLES

	(71)Name of Applicant:
31/7088	-,
:NA	Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400
:NA	008, MAHARASHTRA, INDIA. Maharashtra India
:NA	(72)Name of Inventor:
:NA	1)JAIN, DARSHANA
:NA	2)BAJAJ, AMRITA
: NA	3)MALHOTRA, GEENA
:NA	4)RAUT, PREETI
:NA	
:NA	
:NA	
_	31/7088 :NA :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

ABSTRACT: The present invention relates to intranasal pharmaceutical compositions comprising polymeric nanoparticles of anticancer drugs

No. of Pages: 32 No. of Claims: 29

(22) Date of filing of Application :11/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PROCESS OF CONVERTING A POLYMER TO HYDROCARBON PRODUCTS

:C07C2/58,	(71)Name of Applicant:
C07C5/27,	1)Patpert Teknow Systems Pvt. Ltd.
B01J31/10	Address of Applicant :S.No. 52/7B-2, Plot # 11, Near Burhani
:NA	Park, Tilekarwasti, Pune - 411048, Maharashtra, India
:NA	Maharashtra India
:NA	(72)Name of Inventor:
:NA	1)INAMDAR, Nilesh
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	C07C5/27, B01J31/10 :NA :NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

A process for converting a polymer into one or more hydrocarbon products is disclosed. The polymer is processed by Gasolysis reaction in a reactor by melting, gasolyzing, vaporization, condensation and phase separation thereby obtaining one or more hydrocarbon products such as oil, gas, tar etc. The process is provided with a separation chamber attached to the reactor for separating out solid carbon particles from the hydrocarbon vapors generated in the reactor after Gasolysis reaction. The separated solid carbon particles are sent back to the reactor for re-processing thereby achieving efficient utilization of the polymer in the reactor. The hydrocarbon products and the gas generated during the process may be utilized at upstream stage in the process as a source of energy.

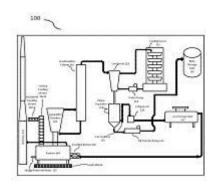


Figure 1

No. of Pages: 20 No. of Claims: 9

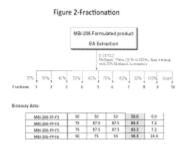
(22) Date of filing of Application :06/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : ISOLATED BACTERIAL STRAIN OF THE GENUS BURKHOLDERIA AND PESTICIDAL METABOLITES THEREFROM FORMULATIONS AND USES

(51) International classification :C12N1/20,C12P1/04,C12N1/38 (71)Name of Applicant : (31) Priority Document No 1)MARRONE BIO INNOVATIONS INC. :61/528,149 (32) Priority Date Address of Applicant :2121 Second Street Suite 107B Davis :27/08/2011 (33) Name of priority country CA 95618 U.S.A. U.S.A. :U.S.A. (86) International Application No: PCT/US2012/050807 (72) Name of Inventor: Filing Date :14/08/2012 1)ASOLKAR Ratnakar (87) International Publication No: WO 2013/032693 2)KOIVUNEN Marja (61) Patent of Addition to 3)MARRONE Pamela :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

A species of Burkholderia sp with no known pathogenicity to vertebrates but with pesticidal activity (e.g. plants algae arachnids insects fungi weeds and nematodes) as well as methods for controlling algae using said species of . Also provided are natural products derived from a culture of said species and methods of controlling algae and/or arachnids using said natural products.



No. of Pages: 117 No. of Claims: 18

(22) Date of filing of Application :20/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ENABLING CONFIGURATION IN 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>	:U.S.A. :NA :NA	BASKING RIDGE, NEW JERSEY 07920, USA. U.S.A. (72)Name of Inventor: 1)ZENON KUC 2)ROGER LAPUH
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	3)KARTHIK GOPALAKRISHNAN
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments generally relate to enabling configuration in networks. In one embodiment, a method includes receiving a message from an edge configuration device, wherein the message contains shortest path bridging (SPB) configuration information. The method also includes performing an intermediate system-to-intermediate system (IS-IS) configuration in response to receiving the message.

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

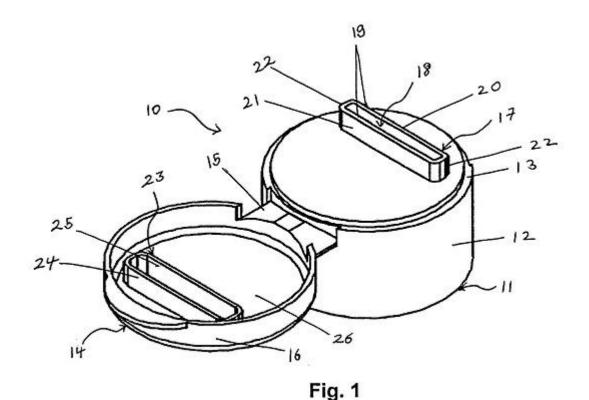
(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: DISPENSING CLOSURE

<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>	B65D47/26 :NA :NA :NA	(71)Name of Applicant:  1)ZYDUS WELLNESS LIMITED  Address of Applicant:SIGMA COMMER ZONE, NEAR ISCON CROSS ROAD, B/H GALLOPS MALL, AMBLI-BOPAL ROAD, AHMEDABAD 380015. Gujarat India
(51) International classification	B65D47/26	1)ZYDUS WELLNESS LIMITED
(31) Priority Document No	:NA	Address of Applicant :SIGMA COMMER ZONE, NEAR
(32) Priority Date	:NA	ISCON CROSS ROAD, B/H GALLOPS MALL, AMBLI-
(33) Name of priority country	:NA	BOPAL ROAD, AHMEDABAD 380015. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)HEMA SHARMA DATTA
(87) International Publication No	: NA	2)BIJULI KUMAR SWAIN
(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 dispensing closure assembly for dispensing a product from a container for uniform and efficient spreadability. The dispensing closure includes an oblong orifice or multiple inline dispensing orifices or an oblong orifice with multiple sub-orifices at the lower half of the deck opposite to the lid joint. The dispensing closure assembly may be integral part of the container or separate assembly attached to the container.



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

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ENVIRONMENTALLY BENIGN HETEROGENEOUS CATALYST FOR FENTON PROCESS

(51) International classification	:C02F1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)YADAV GANAPATI DADASAHEB
(32) Priority Date	:NA	Address of Applicant :CHEMICAL ENGINEERING
(33) Name of priority country	:NA	DEPARTMENT, INSTITUTE OF CHEMICAL TECHNOLOGY
(86) International Application No	:NA	(DEEMED UNIVERSITY), NATHALAL PAREKH MARG,
Filing Date	:NA	MATUNGA (EAST) MUMBAI 400019, INDIA Maharashtra
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)YADAV GANAPATI DADASAHEB
(62) Divisional to Application Number	:NA	2)KUNDE GAJANAN BHIMRAOJI
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses is oxidation heterogeneous catalysts for application in the treatment of organic contaminants present in waste water, a method for production, and a method for recycling, and a method for treatment of waste water by employing the same. The heterogeneous solid catalyst comprises of alumina support doped with iron compound in its matrix processed in the form of pellets, powders and nodules. The method of production of heterogeneous solid catalyst comprises improving of alumina support by doping it by metal oxides and can be fabricated in the form of nodules, pellets, powder and fibres. Further it comprises of preparation of sol of support material, mixing of metal salts to be doped with sol, further concentrating the sol to gel, extruding or preparing various forms of catalyst and finally sintering various forms of catalyst. In addition to this invention, a application of the said catalyst for the treatment of organic contaminants present in waste water and further, the recycling method of heterogeneous solid catalyst which comprises cleaning it with alcohol after use and heating it up at 70-120 °C in oven or sintering it in the furnace up at 140-550 °C.

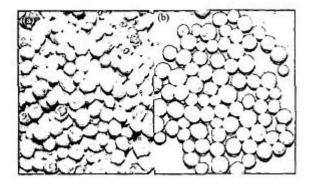


Figure No. 1

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.559/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : APPLICATION OF HUMAN NATURE, PSYCHOLOGY AND NEURAL NETWORK IN ONLINE REAL ESTATE PORTAL.

### (57) Abstract:

The application of human nature, psychology and neural network in real estate portal is disclosed here. Creation of next generation search engine for properties (both residential and commercial) is disclosed here. The implementation leading to better and more results is disclosed here.

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

(22) Date of filing of Application :11/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF DIVALPROEX SODIUM

<ul> <li>(51) International classification</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>	:A61K47/12, A61K47/26 :NA :NA :NA :NA	(71)Name of Applicant:  1)UNICHEM LABORATORIES LIMITED  Address of Applicant: UNICHEM BHAVAN, PRABHAT ESTATE, OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI - 400 102, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	1)DR. DHANANJAY G. SATHE 2)DR. ARIJIT DAS 3)MR. BABASAHEB L. SHINDE 4)MR. SOMANING G. KURLE 5)MR. ASHOK G. MATALE
(62) Divisional to Application Number Filing Date	:NA :NA	5)MR. ASHOK G. MATALE

### (57) Abstract:

The present invention provides an improved process for the preparation of pharmaceutically acceptable Sodium 2-propylpentanoate 2-propylpentanoic acid (1:1) or Divalproex sodium. Novelty of the process resides in single step synthesis of valproic acid. The invention provides less energy intensive, process to produce valproic acid and produces Divalproex sodium of 1CH purity in shorter time and better yields.

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

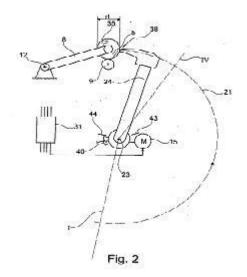
(22) Date of filing of Application :17/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR OPERATING A WORKSTATION OF A TEXTILE MACHINE PRODUCING CROSS-WOUND BOBBINS AND AN ASSOCIATED WORKSTATION

(31) Priority Document No :1 (32) Priority Date :0 (33) Name of priority country :C (86) International Application No :N Filing Date :N (87) International Publication No :1 (61) Patent of Addition to Application Number :N Filing Date :N (62) Divisional to Application Number :N	D01H1/16 102013004053.1 08/03/2013 Germany NA NA NA NA NA	(71)Name of Applicant:  1)SAURER GERMANY GMBH & CO. KG Address of Applicant: LEVERKUSER STRASSE 65, 42897 REMSCHEID, GERMANY Germany (72)Name of Inventor: 1)KOHLEN, HELMUT 2)MUND, MANFRED
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### (57) Abstract:

The invention relates to a method for operating a workstation of a textile machine producing cross-wound bobbins, the workstation being equipped with a winding device for winding a cross-wound bobbin and a suction nozzle, which can be driven by a single motor and to pick up a thread that has run onto the surface of the cross-wound bobbin after a winding interruption, is positioned in a thread end pick-up position, in which the mouth of the suction nozzle has a predetermined spacing from the surface of the cross-wound bobbin, and in which the suction nozzle, proceeding from a pivoting position detected by means of a sensor, is positioned by carrying out a predeterminable number of increments of a single drive in the thread end pick-up position. According to the invention it is provided that a calibration of the pivoting path (21) of the suction nozzle (24) takes place in that the suction nozzle (24) is firstly brought at least once by means of its single drive (15) with its suction head (24) to abut a defined reference point (38; 39), the exact position of which is known, in that the suction nozzle (24) is then pivoted back up to the position detected by means of a sensor, the number of increments required in this case being determined, in that the number of increments determined in this case is compared with a number of increments previously determined in the same manner deemed to be the reference value and in that, with the aid of this comparison, a correction variable is produced, which is taken into consideration in the subsequent positionings of the suction nozzle (24) in the thread end pick-up position.



No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :08/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: COLLOIDAL CARRIER SYSTEM FOR CNS DRUGS

(51) International classification	:A61K31/1	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.(MRS.) UJWALA A. SHINDE
(32) Priority Date	:NA	Address of Applicant :503/504, RAHUL APARTMENT,
(33) Name of priority country	:NA	M.M.C. CROSS ROAD NO:3, MAHIM (WEST), MUMBAI:
(86) International Application No	:NA	400016, MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAHUL RADHESHYAM SRIVASTAV
(61) Patent of Addition to Application Number	:NA	2)DR.(MRS.) UJWALA A. SHINDE
Filing Date	:NA	3)AMRUTA VAIDYA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention deals with a nasal formulation of CNS drugs .It particularly deals with a stable and effective liposomal nasal formulation of Atomoxetine for ADHD. Atomoxetine (ATX) is the most potent selective nor-epinephrine reuptake inhibitor (SNRI), clinically available for Attention Deficit Hyperactivity Disorder (ADHD). Various excipients have been tried to obtain an effective and stable liposome formulation.ATX liposomes were prepared by lipid film hydration techniques using saturated Phospholipon 90H (PL 90H) and unsaturated lipids like Phospholipon 90G (PL 90G), S-100, Egg phosphatidylcholine (EPC) and cholesterol (CH). Excellent entrapment of the drug in the liposome is achieved by using a Phospholipon 90G(soya-3-sn-phosphatidylcholine) and cholesterol in a preferred ratio of 4:1

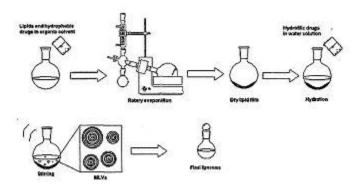


Figure 1 Schematic procedure of Lipid Film Hydration Method (LFH)

No. of Pages: 33 No. of Claims: 5

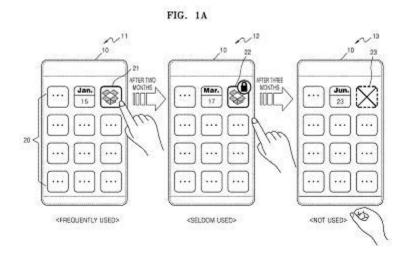
(22) Date of filing of Application :22/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD OF AND DEVICE FOR MANAGING APPLICATIONS

(51) International classification	:G06Q30/06	(71)Name of Applicant:
(21) Dei anitar Da arrow ant Na	:10-2013-	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	0011490	Address of Applicant :129, Samsung-ro, Yeongtong-gu,
(32) Priority Date	:31/01/2013	Suwon-si, Gyeonggi-do 443-742, Republic of Korea Republic of
(22) N	:Republic of	Korea
(33) Name of priority country	Korea	(72)Name of Inventor:
(86) International Application No	:NA	1)Jong-hyun RYU
Filing Date	:NA	2)Yong-gook PARK
(87) International Publication No	: NA	3)Jang-woo LEE
(61) Patent of Addition to Application Number	:NA	4)Jae-young LEE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided are a method of and device for managing applications installed on the device. The device includes: a user interface configured to display the plurality of applications; and a controller configured to monitor use history of each of the plurality of applications, and control the user interface to change a visual representation of at least one application from among the plurality of applications based on the monitored use history.



No. of Pages: 66 No. of Claims: 20

(22) Date of filing of Application :21/02/2014 (43) Publication Date: 25/09/2015

# (54) Title of the invention: TREATMENT OF MULTIPLE SCLEROSIS WITH COMBINATION OF LAQUINIMOD AND **GLATIRAMER ACETATE**

(51) International classification :A01N43/42,A61K31/47 (71)Name of Applicant : (31) Priority Document No :61/512,808 (32) Priority Date :28/07/2011 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/048684 Filing Date :27/07/2012 (87) International Publication No :WO 2013/016684

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

1)TEVA PHARMACEUTICAL INDUSTRIES LTD. Address of Applicant: 5 Basel Street P.o.box 3190 49131

Petach tikva Israel (72) Name of Inventor:

1)GILGUN Yossi 2)TARCIC Nora

### (57) Abstract:

This invention provides a method of treating a patient afflicted with multiple sclerosis or presenting a clinically isolated syndrome comprising administering to the patient laquinimod as an add on therapy to or in combination with glatiramer acetate. This invention also provides a package and a pharmaceutical composition comprising laquinimod and glatiramer acetate for treating a patient afflicted with multiple sclerosis or presenting a clinically isolated syndrome. This invention also provides laquinimod for use as an add on therapy or in combination with glatiramer acetate in treating a patient afflicted with multiple sclerosis or presenting a clinically isolated syndrome. This invention further provides use of laquinimod and glatiramer acetate in the preparation of a combination for treating a patient afflicted with multiple sclerosis or presenting a clinically isolated syndrome.

No. of Pages: 109 No. of Claims: 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3568/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :13/11/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AN INHIBITOR COMPOSITION

(51) International classification	:F16L58/04, C09D5/08, C23F11/18, C23F1	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT, MUMBAI-400021, MAHARASHTRA,
(31) Priority Document No	:NA	INDIA Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)DAS GAUTAM
(86) International Application No	:NA	2)DASGUPTA SANTANU
Filing Date	:NA	3)VENKATESH PRASAD
(87) International Publication No	: NA	4)PRANALI DEORE
(61) Patent of Addition to Application Number	:NA	5)NANJAPPA DEEPAK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present disclosure discloses a method of improving the yield of algae from an environment consisting of diatoms. This selective culturing of algae from a mixed environment is achieved by the use of a urea cycle pathway inhibitor. The inhibitor as disclosed in the present disclosure inhibits the urea cycle pathway in diatoms, thus restricting their growth so as to aid the proliferation of algae.

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

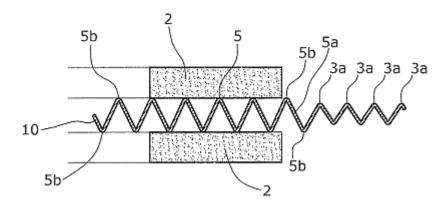
(22) Date of filing of Application :02/04/2013 (43) Publication Date : 25/09/2015

### (54) Title of the invention: SEALING ARRANGEMENT

(71)Name of Applicant: :F16J15/12, (51) International classification 1)JUNG ALFRED F02F11/00 (31) Priority Document No :20 2006 000 726.1 Address of Applicant :BIRRESBORNER STR. 4, 50935 (32) Priority Date KOELN. GERMANY Germany :17/01/2006 (33) Name of priority country (72) Name of Inventor: :Germany (86) International Application No :PCT/EP2007/050400 1)JUNG ALFRED Filing Date :16/01/2007 (87) International Publication No :WO/2007/082887 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :471/MUMNP/2008 Filed on :12/03/2008

### (57) Abstract:

A sealing arrangement, which is particularly suitable for flat flange connections, has an annular, metallic base body (1). Connected to the metallic base body (1) at both sides are soft material supports (2). The base body (1) has ring teeth (3,4) which run around radially at the inside and/or at the outside. The ring teeth (3,4), in the installed state, permit punctiform metallic contact and also have a spring characteristic. The spring characteristic of the ring teeth (3,4) is selected such that, in a first embodiment, after the removal of the seal from the flanges, the tooth height corresponds substantially to the height before the installation. The region of the base body (1) which is covered by the soft material supports (2) also has angular ring teeth (5). Said ring teeth (5) have a spring characteristic, wherein after the removal of the seal, the ring teeth (5) spring back to at least 75% of the original state. In a further embodiment, the ring teeth (5) which are covered by the soft material support (2) are partially plastically deformable.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.212/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application:03/02/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: CLEANING KIT

(51) International classification :A61K8/02,A61K8/04,A61K8/73 (71)Name of Applicant: (31) Priority Document No :11178056.5 (32) Priority Date :19/08/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/064023

:NA

No

:17/07/2012 Filing Date

(87) International Publication No:WO 2013/026629

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

(62) Divisional to Application :NA Number

Filing Date

### 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. U.K.

(72) Name of Inventor:

1)AVERY Andrew Richard

2)KHOSHDEL Ezat

3)ROBERTS Glyn

### (57) Abstract:

A kit for cleaning a surface preferably carpet upholstery skin or hair especially preferred hair comprising: a) a dry shampoo in which the dry shampoo comprises a particulate material preferably aluminium octenyl succinate starch or rice starch; and b) a separate substrate preferably a flexible sheet comprising non woven material preferably selected from cellulose fibre or polyester fibre for removing the dry shampoo that does not partition the surface. Preferably the shampoo composition is in the form of an aerosol.



No. of Pages: 13 No. of Claims: 14

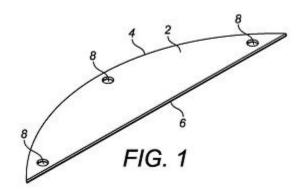
(22) Date of filing of Application :24/06/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention: SAMPLE TESTING APPARATUS AND METHOD •

### (57) Abstract:

A test apparatus (12) and a method of testing a sample (30) are disclosed. The method comprises receiving a test sample (30) within a test chamber (14), the test chamber (14) containing two or more iron saturation elements (2) separated by a spacer (16); and filling the test chamber (14) with a test solution, the iron saturation elements (2) being arranged to saturate the test solution with iron. Each iron saturation element (2) is shaped such that it has a predetermined surface area such that the ratio of the volume of the test solution to the surface area of the iron saturation elements (2) and the test sample (30) exposed to the test solution can be calculated.



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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PUSH BUTTON SWITCH FOR SUBMERSIBLE PUMP

	:H01H21/00,	(71)Name of Applicant :
(51) International classification	H01H21/08,	1)Prashant M. Dixit
	H01H35/18	Address of Applicant :/O Vijeta Switchgear Pvt Ltd, E-26,
(31) Priority Document No	:NA	MIDC, Kupwad Block, Sangli 416436, Maharashtra, India
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Prashant M. Dixit
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosures herein are directed towards the construction and operation of a compact sparking-free push button switch for use in association with a submersible pump that allows robust operation with extended service life due to shifting of sparking in contacts of the push button switch to a more tolerant control contactor juxtaposed at an offset in said push button switch. Figure to accompany the published abstract: Fig. 2(a)

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :02/04/2013 (43) Publication Date: 25/09/2015

# (54) Title of the invention: SELF PRESSURE REGULATING COMPRESSED AIR ENGINE COMPRISING AN INTEGRATED **ACTIVE CHAMBER**

(51) International :F02B21/00,F02M31/04,F02M31/16 classification

(31) Priority Document No :1058037 (32) Priority Date :05/10/2010

(33) Name of priority country: France

(86) International Application: PCT/EP2011/067212

No :03/10/2011 Filing Date

(87) International Publication :WO 2012/045694

(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)MOTOR DEVELOPMENT INTERNATIONAL S.A.

Address of Applicant: 17 rue des Bains L 1212 Luxembourg

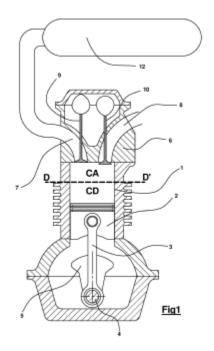
Luxembourg Luxembourg (72) Name of Inventor:

1)NEGRE Guy

2)NEGRE Cyril

### (57) Abstract:

The invention relates to a multimode engine comprising an included active chamber having a cylinder (1) and a piston (2) that divides the cylinder into an active chamber (CA) and an expansion chamber (CD) and in which: compressed air contained in a tank (12) directly feeds the intake of the engine cylinder (1); the included active chamber (CA) is filled at a constant admission pressure at each engine revolution said admission pressure decreasing as the pressure in the tank decreases; the volume of the included active chamber (CA) increases progressively as the pressure in the tank (12) decreases; means enable not only the admission opening and conduit (7) to be opened essentially at the top dead centre of the stroke of the piston but also the modification of the duration and/or the angular sector of the admission in addition to the opening passage section; and the volume of the included active chamber (CA) is dimensioned for maximum storage pressure and is then progressively increased resulting in a self pressure regulating engine.



No. of Pages: 32 No. of Claims: 13

(21) Application No.395/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A HYDRAULIC MIXER FOR A SMALL BORE GRAVITY SEWER SYSTEM

(51) International classification		(71)Name of Applicant :
()	C02F11/04	1)Clearford Industries Inc.
(31) Priority Document No	:61/933,506	Address of Applicant :515 Legget Drive, Suite 100 Ottawa,
(32) Priority Date	:30/01/2014	ON K2K 3G4 Canada Canada
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)Kevin BAILEY
Filing Date	:NA	2)Matthew BAILEY
(87) International Publication 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 hydraulic mixer for a small bore gravity sewer system. In accordance with an aspect of the present invention, there is provided a hydraulic mixer for a small bore gravity sewer system having: an inlet for receiving sewage from a source disposed in a first plane; and an outlet disposed in a second plane, the outlet fluidly communicating with the inlet by way of a pipe, the pipe having an upper surface and a vented orifice located on the upper surface; wherein an angle is disposed between the first plane and the second plane allowing for flow deflection resulting in increased mixing.

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

(22) Date of filing of Application :12/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: POWER MODULE WITH A CONNECTOR DESIGNED AS A FILM COMPOSITE.

(51) International classification	:H01P5/107, H01L23/552, H01P1/00	(71)Name of Applicant:  1)SEMIKRON ELEKTRONIK GMBH & CO. KG Address of Applicant:SIGMUNDSTRASSE 200, 90431
(31) Priority Document No	:102013102828.4	NUERNBERG, GERMANY Germany
(32) Priority Date	:20/03/2013	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)GREGOR KLEM
(86) International Application No	:NA	2)STEFAN SCHMITT
Filing Date	:NA	3)ULRICH SAHEBAUM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A power assembly comprising a substrate which has, comprising power semiconductor components, and comprising a connecting device which is in the form of a film composite comprising an insulating film and an electrically conductive film which, is connected in to a contact area of a power semiconductor component or of a conductor track of the substrate, wherein the film composite has: a plurality of simple slots which run at the same distance from one another, wherein two adjacent simple slots do not have a continuously straight profile, and/ or a first wide slot which projects beyond the edge of this contact area starting from a contact area, and/or a second wide slot which splits that section of the electrically conductive film which is in contact with a contact area into two film conductor tracks which are not directly electrically conductively connected to one another.

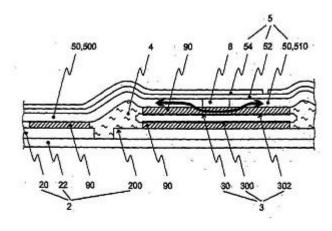


Fig. 7

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.495/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :12/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: LOW DOSE PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K31/155, A61K31/196, A61K9/72	(71)Name of Applicant:  1)CIPLA LIMITED  Address of Applicant: MUMBAL CENTRAL MUMBAL
(31) Priority Document No	:NA	Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400008, MAHARASHTRA, INDIA. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MALHOTRA, GEENA
(86) International Application No	:NA	2)RAUT, PREETI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

ABSTRACT: The present invention relates to pharmaceutical compositions comprising a tyrosine kinase inhibitor, a process for preparing such pharmaceutical compositions and use of the said pharmaceutical compositions for the treatment of cancer more specifically melanoma.

No. of Pages: 26 No. of Claims: 27

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: AN IMPROVED REAR UNDERRUN PROTECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B60R 19/56 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA MOTORS LIMITED  Address of Applicant:Bombay House, 24 Homi Mody Street, Hutatma Chowk, Mumbai 400 001, Maharashtra, India Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)V S GOGATE 2)V A PACHORE 3)A A THORAT
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

TITLE: A REAR UNDERRUN PROTECTION SYSTEM AND A METHOD OF ASSEMBLING THEREOF • ABSTRACT The present disclosure discloses, a rear underrun protection system for a vehicle comprising a first transverse member positioned at a predetermined distance below a chassis frame longitudinal members of the vehicle, wherein the first transverse member is connectable to the chassis frame longitudinal members through a plurality of brackets. The system also comprises a second transverse member connectable to rear ends of the chassis frame longitudinal members in transverse direction of the vehicle, wherein the second transverse member extends in either sides of the vehicle from centre of the vehicle, wherein, in an event of collision of a colliding vehicle onto rear end of the vehicle, the first transverse member is configured to contact a bumper portion of the colliding vehicle, and the second transverse member is configured to contact a bonnet portion of the colliding vehicle, to refrain intrusion of the colliding vehicle, thereby preventing underrun into rear end of the vehicle. Figure 5

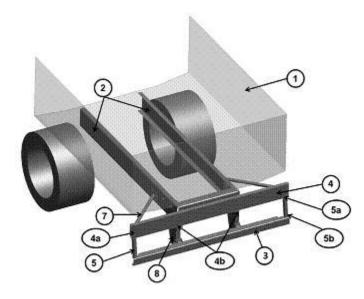


Figure 5

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

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR CONVERTING FORMAT OF JOBS ASSOCIATED WITH A JOB STREAM

	·G06F15/00	(71)Name of Applicant:
(51) International classification	H04N1/00	1)Tata Consultancy Services Limited
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PARAMESWARAN, Ramakrishnan
Filing Date	:NA	2)GOPALAKRISHNAN, Sampradha Singanaloor
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System(s) and method(s) converting format of jobs associated with a software job stream are disclosed. A file containing syntax in an original format is received. The syntax defines the jobs and schedules in the original format. One or more keywords associated with the jobs and schedules and definition format of the jobs are identified. At least one of a Mandatory parameter or optional parameter is checked while applying logic rules. The logic rules define mapping conditions with respect to each attribute associated with the mandatory and the optional parameters. The keywords and the definition format associated with the job and schedule are mapped to a set of pre-defined keywords and definition format in order to obtain a set of mapped keywords and mapped definition format. The mapped keywords and mapped definition format are used to convert original syntax into a desired syntax thereby converting original format of the jobs and schedules into the desired format. [To be published with Figure 2]

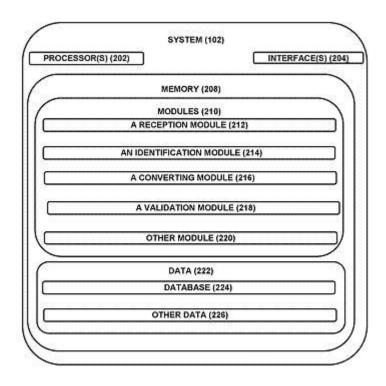


Figure 2

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

(22) Date of filing of Application :07/02/2014

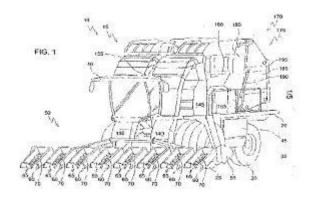
(43) Publication Date: 25/09/2015

# (54) Title of the invention: COTTON CONVEYING STRUCTURE FOR A COTTON HARVESTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01D46/10 :13/834,969 :15/03/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	Address of Applicant :ONE JOHN DEERE PLACE
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### (57) Abstract:

A cotton conveying structure for a cotton harvester. The cotton harvester comprising a receptacle. A harvesting structure is configured for harvesting cotton. A first cross auger is in communication with the harvesting structure for receiving cotton therefrom. The first cross auger is coupleable to a forward portion of the cotton harvester. A second cross auger is in communication with the harvesting structure for receiving cotton therefrom. The second cross auger is coupleable to a forward portion of the cotton harvester adjacent the first cross auger. A first duct is in communication with the first cross auger and . spaced from the first duct. A second cleaner is in communication with the second duct. The first and second cleaners are configured to transfer cotton to the receptacle.



No. of Pages: 17 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.553/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: WARP INDICATION DEVICE

(51) International classification	·D03D51/30	(71)Name of Applicant:
(31) Priority Document No	:13/851,386	` '
(32) Priority Date	:27/03/2013	· ·
(33) Name of priority country	:U.S.A.	MOLINE, ILLINOIS, 61265-8098, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WIGDAHL JEFFREY S
(87) International Publication No	: NA	2)CRACRAFT MARK A
(61) Patent of Addition to Application Number	:NA	3)WEBER SCOTT D
Filing Date	:NA	4)VANLANINGHAM NICHOLAS W
(62) Divisional to Application Number	:NA	5)ACKERMAN NILE T
Filing Date	:NA	

### (57) Abstract:

The round module, builder comprising a first module-forming portion configured to receive a crop. A second module-forming, portion is pivotally coupleable to the first module-forming portion. The first module-forming portion and the second module-forming portion are, configured to rotate the crop into the round module. A wrapping device is coupleable to at least one of the first module-forming portion and the second module-forming portion/ The wrapping device is configured to position a wrap onto the round module. A wrap indication device is coupleable to at least one of the first module-forming portion and the second module-forming portion. The wrap indication device is configured to measure an indication of the wrap on the round module.

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

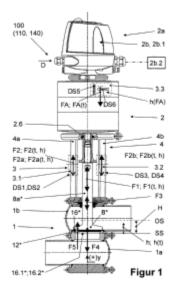
(22) Date of filing of Application :03/04/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DIAGNOSTIC METHOD FOR POPPET VALVES AND MEASURING DEVICE FOR CARRYING OUT SAID METHOD

### (57) Abstract:

The invention relates to diagnostic methods according to the preamble of the equivalent claims 1 and 2 with which the state of a poppet valve in the course of the switching cycles and/or events thereof such as the occurrence of pressure shocks or surges during continuous operation is/are monitored continuously the measured signals are stored and the stored measured signals are interpreted in a targeted manner and early indication of cases of damage is carried out. According to a preferred variant of the diagnostic method said aim is achieved in that at the same time as the force time curve of the actuating force or the reaction force (F1(t); F2(t)) a displacement time curve (h(t)) of the displacement (h) of the at least one closing element (8) is measured in that the force time curve of the actuating force or of the reaction force (F1(t); F2(t)) and the displacement time curve (h(t)) are combined with each other and used to determine a force displacement curve of the actuating force or the reaction force (F1(h); F2(h)) in that the current force displacement curve of the actuating force (F1(h)) or the reaction force (F2(h)) of a switching cycle in each case determined over the operating period or lifetime of the poppet valve (100) is compared with an earlier stored curve in that deviations are determined from the comparison in that within a predefined tolerance range for said deviations the latter are accepted and in that when said deviations exceed the predefined tolerance range a message and/or a control signal is/are generated.



No. of Pages: 56 No. of Claims: 20

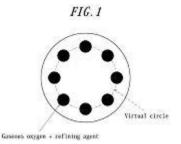
(22) Date of filing of Application :15/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR DEPHOSPHORIZING HOT METAL

(51) International classification	:C21C1/02, C21C5/00	(71)Name of Applicant: 1)JFE STEEL CORPORATION
(31) Priority Document No	:NA	Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-
(32) Priority Date	:NA	ku, Tokyo 100-0011 Japan. Japan
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)UCHIDA, Yuichi
Filing Date	:NA	2)SASAKI, Naotaka
(87) International Publication No	: NA	3)MIKI, Yuji
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a method for dephosphorizing hot metal, including: adding a refining agent mainly composed of a CaO source to hot metal in a converter-type vessel; and blowing gaseous oxygen from a top-blowing lance onto a surface of a hot metal bath, in which the hot metal is subjected to dephosphorization treatment under a condition that dynamic pressure on the surface of the hot metal bath exerted by the gaseous oxygen is defined to be 0.5 kPa to 3.0 kPa at least at a blowing progress rate of 30 % to 80 %, and the hot metal is dephosphorized so that a slag after the treatment has a T. Fe concentration of 10 mass% to 30 mass%. Figure 1 is the representative figure.



No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :26/08/2013 (43) Publication Date: 25/09/2015

### (54) Title of the invention: CONTROL SYSTEM AND PAIRING METHOD FOR A CONTROL SYSTEM

(51) International :H04L29/08,H04L29/12,H04L12/28 classification

(31) Priority Document No :11155593.4 (32) Priority Date :23/02/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/053042

:23/02/2012

Filing Date

(87) International Publication :WO 2012/113848

(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)ZEROGROUP HOLDING O

Address of Applicant :likooli 12 EE 51003 Tartu Estonia

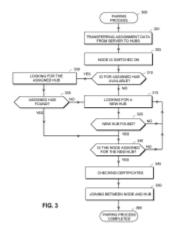
Estonia

(72) Name of Inventor:

1)VIMBERG Priit

### (57) Abstract:

The present invention relates to a control system (200) and a pairing method for installation configuration and update of a control system. In the inventive solution the control system comprises nodes (220q 220h) with control elements (210a 210h) one or several hubs (230x 230y) and a server (240). Identification data of assigned nodes (220a 220b 220d) is transferred from the server (240) to a hub (230x). The hub provides a pairing process with nodes that have any of the IDs stored as assigned nodes. This way an automatic pairing process is achieved which does not require manual activation procedures of a user.



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

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NOVEL IMIDAZO 1,3,5-TRIAZINYLTHIAZOLES

<ul><li>(51) International classification</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>	:A61K31/00, A61P25/06 :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. KAMALA KUNJU VASU Address of Applicant: B. V. PATEL PERD CENTRE, SARKEJ-GANDHINAGAR HIGHWAY, THALTEJ, AHMEDABAD 380 054 Gujarat India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)KAMALA KUNJU VASU 2)NEELAM CHAUHAN
(61) Patent of Addition to Application Number	:NA	3)SRIKANTH GATADI
Filing Date (62) Divisional to Application Number	:NA :NA	4)DHAIVATKUMAR HARIKRISHNABHAI PANDYA 5)JAYESH ANILKUMAR SHARMA
Filing Date	:NA	

### (57) Abstract:

Imidazo 1,3,5-triazinylthiazoles compounds are disclosed having utility in treating infectious diseases, inflammatory conditions, immunoinflammatory conditions and autoimmune diseases. Methods for the synthesis of these compounds are also disclosed.

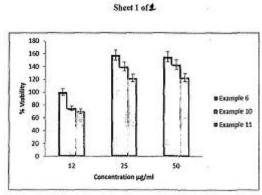


Figure 1. Cytotoxic assay of the active molecules

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

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ZERO ENCOUNTER CHARTS FOR CLINICAL MANAGEMENT SYSTEMS AT A POINT OF CARE

<ul> <li>(51) International classification</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 5/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)ABHIJIT MANOHAR GUPTA Address of Applicant: 202, BALAKRISHNA HERITAGE APT, LANE NO. 11, BHANDARKAR ROAD, PUNE - 411004, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:
Filing Date	:NA	1)ABHIJIT MANOHAR GUPTA
(87) International Publication No	: NA	2)MOHAN RAO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A zero-type system for capturing medical records and providing prescriptions, said system comprising: at least a pre-defined set of pre-configured clinical and / or medical terminology stored in databases; at least a pre-defined set of pre-configured templates stored in databases, characterised in that, said templates comprising multiple templates corresponding to various aspects of a doctor-patient visit, and said templates correlating with said pre-configured clinical and / or medical terminology; characterised in that, said pre-defined set of pre-configured clinical and / or medical terminology being correlated in a hierarchical manner to move from one touch based response to another through said multiple templates by selecting said clinical and / or medical terminology, thereby recording data through said multiple templates in a zero-type manner.

No. of Pages: 86 No. of Claims: 43

(22) Date of filing of Application :21/02/2014

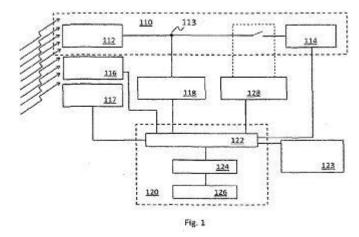
(43) Publication Date: 25/09/2015

# (54) Title of the invention: ELECTRICAL FAULT 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 Number</li> </ul>	:GB :NA :NA : NA :NA	(71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: THE GRO, POOL ROAD, NEWTOWN SY16 3BE UNITED KINGDOM U.K. (72)Name of Inventor:  1)TRABACCHIN PAOLO 2)HARGIS COLIN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
		1

### (57) Abstract:

An apparatus for detecting an arc on a circuit having a solar panel assembly is arranged to determine that an output of the solar panel assembly is below a threshold value and is therefore indicative of an arc on the circuit.



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

(22) Date of filing of Application :28/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AN ELECTROMECHANICAL HOIST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B66F3/04, E21B19/083 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Mahindra and Mahindra Limited Address of Applicant: Mahindra and Mahindra Ltd. Gateway Building, Apollo Bunder, Mumbai, Maharashtra State, India Maharashtra India (72)Name of Inventor: 1)Mr. Tendulkar, Santosh Kamlakar 2)Mr. Joshi, Arun Murlidhar 3)Mr. Gurav, Milind Maruti 4)Mr. Bhole, Chandrakiran Prabhakar 5)Mr. Gandhi, Ravindra Manohar
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### (57) Abstract:

The present invention discloses an electromechanical hoist with a control unit which allows it to detect the possible failure modes such that the operator may take necessary steps to prevent failure. The invention thus comprises an electromechanical hoist with purpose built programmable logic controller (PLC) and related specially developed hardware. The present invention thus provides an electromechanical hoist in which the potential failure modes are detected automatically before the hoist is actually operated to lift loads and a preventive response is actuated in the case failures are detected.

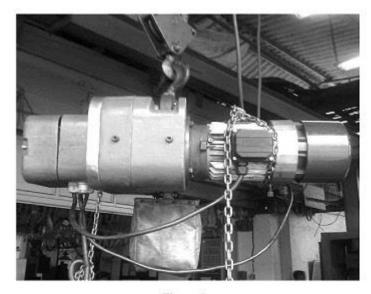


Figure 1

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

(22) Date of filing of Application :07/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A PORTABLE ELECTRONIC DEVICE AND METHOD OF RECORDING MOBILITY OF THE PORTABLE ELECTRONIC DEVICE

	HO 4D 1 /20	
(51) International classification	:H04B1/38, H04B17/00.	(71)Name of Applicant : 1)Tata Consultancy Services Limited
(51) International classification	H05K11/02	1 '
(31) Priority Document No	:NA	Point, Mumbai 400021, Maharashtra, India. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)PARAMESHWARAN, Reni
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A PORTABLE ELECTRONIC DEVICE AND METHOD OF RECORDING MOBILITY OF THE PORTABLE ELECTRONIC DEVICE The present disclosure relates to a portable electronic device and method of recording a mobility of a portable electronic device. The method detects a movement of the portable electronic device using a first sensor of the portable electronic device. The method determines velocity, a position coordinate and a time coordinate of the portable device using a second sensor using a sensor of the portable electronic device when the movement exceeds a threshold level. The threshold level is indicative of a predefined speed rate and a predefined time period associated with the movement of the portable electronic device. One or more values corresponding to the velocity, the position coordinate and the time coordinate are recorded based on the mobility of the portable electronic device. To be published with Figure 7

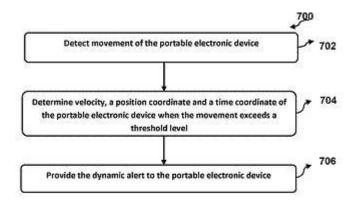


FIG. 7

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application :07/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: A SYSTEM AND METHOD FOR GENERATING A DRIVING PROFILE OF A USER

	:G06F7/00.	(71)Name of Applicant :
(51) International classification	G06Q40/00,	
	G06Q50/00	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(31) Priority Document No	:NA	Point, Mumbai 400021, Maharashtra, India. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)PARAMESHWARAN, Reni
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication 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 method and system for generating a driving profile of a user. The method comprises receiving one or more values corresponding to a plurality of variables. The method further comprises computing one or more safety scores for the plurality of variables based on the one or more values. The one or more safety scores are computed for a trip completed by the user. Completion of the trip is based on one or more conditions. The method further comprises aggregating the one or more safety scores to determine a cumulative safety score for the trip and determining a driving level of the user based on the cumulative safety score, thereby generating the driving profile of the user.

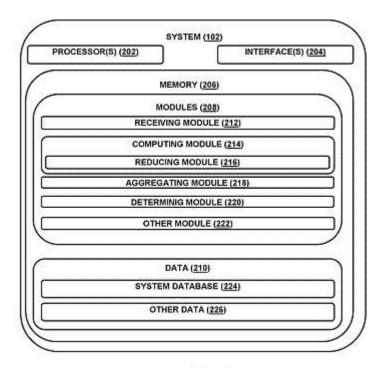


Figure 2

No. of Pages: 30 No. of Claims: 21

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

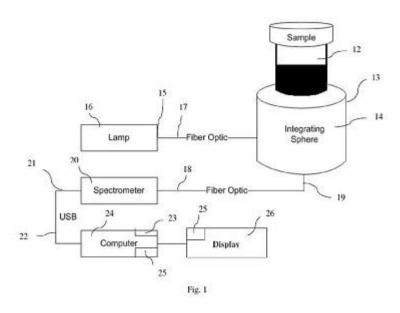
(43) Publication Date: 25/09/2015

### (54) Title of the invention: SPECTROSCOPY DETECTION SYSTEM AND METHOD FOR MATERIAL IDENTIFICATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G01N 21/00 :61/856,988 :22/07/2013 :U.S.A. :NA	(71)Name of Applicant:  1)Frederick Harold Long Address of Applicant:665 Millbrook Avenue, Randolph, New Jersey 07869, United States of America U.S.A.  2)Arun Desai (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)Frederick Harold Long 2)Arun Desai
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides a method and system of chemical identification by using a short wavelength range of near infrared (NIR) such as in the range of near infrared (NIR) of about 600 to about 1100 nm. A silicon-detector can be used to measure the short wavelength of NIR region. A detection signal from a detector is sent to a computer. The computer is programmed with software modules for data acquisition of the detection signal and data analysis to determine absorption spectrum. The computer can include memory or remote access to one or more databases for storing a library of absorption spectra. The absorption spectrum of the material which provides the highest match value is identified as the material under inspection.



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

(22) Date of filing of Application :07/02/2014

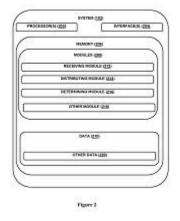
(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING TOTAL PROCESSING TIME FOR EXECUTING A PLURALITY OF JOBS

(51) International classification	:G06F9/46	(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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIJAYARANGAN, Natarajan
(87) International Publication No	: NA	2)SOMASUNDARAM, Muralidharan
(61) Patent of Addition to Application Number	:NA	3)PADMANABHAN, Kishore
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a method and system for determining total processing time required for executing a plurality of jobs. A set of jobs along with a mean processing time, and a queue length are received. The set of jobs are distributed across computing resources based upon the queue length. A set of priority jobs is received when the execution of a subset of jobs from the set of jobs has been executed in a first processing time (TF). Further, the set of priority jobs is distributed for execution across the plurality of computing resources. A second processing time (TS) required for the execution of the set of priority jobs is computed. Further, a third processing time (TT) required for the execution of the set of remaining jobs from the set of jobs is determined. Finally, the total processing time is determined by summing TF, TS, and TT.



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

(21) Application No.455/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NOVEL CRYSTALLINE FORMS OF DOLUTEGRAVIR SODIUM

(51) International classification	A61P31/12, C07D498/14, A	(71)Name of Applicant:  1)Mylan Laboratories Ltd. Address of Applicant: Unit-11, 1A/2, M.I.D.C. Industrial Estate, Taloja, Panvel, Dist. Raigad, Maharashtra-410208, India
(31) Priority Document No	:NA	Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)JETTI, Ramakoteswara Rao
(86) International Application No	:NA	2)BEERAVELLY, Satish
Filing Date	:NA	3)NADELLA, Madhu Murthy
(87) International Publication No	: NA	4)NANDIPATI, Haribabu
(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 novel crystalline dolutegravir sodium Form-M2, Form-M3, Form-M4 and process for the preparation thereof.

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

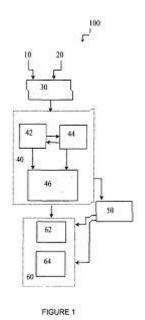
(22) Date of filing of Application :19/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A SYSTEM AND METHOD FOR NON-INTRUSIVE HUMAN ACTIVITY MONITORING

(51) International classification	:G08B21/00	(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,
(33) Name of priority country	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(86) International Application No	:NA	INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SESHAM SPOORTHY
(61) Patent of Addition to Application Number	:NA	2)SESHADRI, GURUPRASAD
Filing Date	:NA	3)CHANDRA, MARISWAMY GIRISH
(62) Divisional to Application Number	:NA	4)KRISHNAN, SRINIVASARENGAN
Filing Date	:NA	5)PURUSHOTHAMAN,BALAMURALIDHAR

### (57) Abstract:

The present disclosure discloses a system and a method for non-intrusive monitoring in relation to utility meters in a facility. The system primarily uses the data generated by the utility meters to produce patterns of activities that are performed by an individual. Any sort of discrepancy observed between the newly generated data pattern and the previous patterns signals an alarm in the form of a message which is then sent to the concerned person. A risk metric is also generated from monitoring human activity which can then be shared with the insurance providers and the utility providers.



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

(22) Date of filing of Application :24/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: MECHANISM FOR LOCKING SAFETY SHUTTERS IN DRAW-OUT CIRCUIT BREAKERS.

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	Address of Applicant :LARSEN & TOUBRO LIMITED L&T
(33) Name of priority country	:NA	HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400
(86) International Application No	:NA	001, INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRANAV PUJARI
(61) Patent of Addition to Application Number	:NA	2)AJIT AGWEKAR
Filing Date	:NA	3)DINESH KANNADKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a mechanism for locking safety shutters in draw-out circuit breakers. The mechanism comprises a plurality of protrusions configured on middle portion of the safety shutters. Further, the mechanism comprises a top plate mounted on front side of upper half of the safety shutters. The top plate includes curved ribs configured on upper portion thereof for inserting the top plate in a gap between rear plane of the safety shutters and rear upper portion of the cradle. The top plate further includes a first window configured on a lower portion thereof. The first window is being capable of securing to one protrusion of the plurality of the protrusions of the safety shutters. Furthermore, the mechanism comprises a bottom plate mounted on front side of lower half of the safety shutters. The bottom plate includes a fixing means configured on lower portion thereof for fixing the bottom plate to the bottom rear plane of the cradle and a second window configured on upper portion thereof. The second window is being capable of inserting into the protrusions of the plurality of protrusions of the safety shutters.

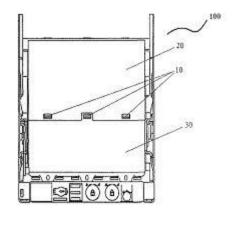


Figure 1

No. of Pages: 17 No. of Claims: 2

(22) Date of filing of Application :04/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: A COMPOSITION OF EX-VIVO GENERATED DENDRITIC CELLS

(51) International classification	:A61K39/00, A61K38/00, A61P35/00, C12N	(71)Name of Applicant:  1)Shakti Upadhyay  Address of Applicant: 35/1002, Seawood Estates, Palm Beach Marg, Nerul, Navi Mumbai - 400706, Maharashtra, India
(31) Priority Document No	:NA	Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Shakti Upadhyay
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

TITLE.: A COMPOSITION COMPRISING EX-VIVO GENERATED DENDRITIC CELLS The present invention relates to a composition comprising ex-vivo generated antigen-loaded dendritic cells in combination with -glucan and hyaluronic acid or pharmaceutically acceptable derivatives thereof and methods of preparing and delivering the same. The present composition of the present invention enhances antigen-specific T cell response against cancer cells. The composition or formulation comprising the same is delivered through injection, biocampitable scaffold or implant by intradermal, subcutaneous, intramuscular, intratumoral, or intranodal administration for providing an effective immune response for treatment and/or prevention of cancer progression, recurrence, and/ or metastasis in a cancer patient.

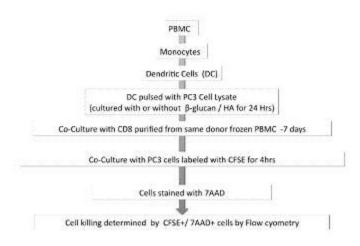


Figure 5

No. of Pages: 37 No. of Claims: 14

(22) Date of filing of Application :08/11/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention: PROCESS FOR SEQUENTIAL BIO-HYDROGEN PRODUCTION THROUGH INTEGRATION OF DARK FERMENTATION PROCESS WITH PHOTO FERMENTATION PROCESS

(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	:C12P3/00, C12R1/01, C12R1/145 :NA :NA :NA	(71)Name of Applicant: 1)HINDUSTAN PETROLEUM CORPORATION LIMITED Address of Applicant: Hindustan Petroleum Corporation Ltd, Petroleum House, 17, Jamshedji Tata Road, Churchgate, Mumbai 400020, India Maharashtra India 2)THE ENERGY AND RESOURCES INSTITUTE 3)CENTRE FOR HIGH TECHNOLOGY (72)Name of Inventor: 1)LAL Banwari 2)SUBUDHI Sanjukta 3)VELANKAR Harshad Ravindra 4)TOMPALA Annaji Rajiv Kumar 5)RAO Peddy Venkata Chalapathi 6)CHOUDARY Nettem Venkateswarlu 7)GANDHAM Sri Ganesh
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### (57) Abstract:

Process for sequential bio-hydrogen production through integration of dark fermentation process with photo fermentation process. The process includes cultivating isolated bacteria in a bioreactor for dark fermentation under specific nutritional conditions for producing hydrogen from an organic substrate, wherein nitrogen supply is optimized; and cultivating another isolated bacteria in the effluent of dark fermentation under specific conditions and nutritional supplementation in a photo bioreactor, thereby integrating dark and photo-fermentation for enhancing hydrogen production. Reference figure: FIG. 1

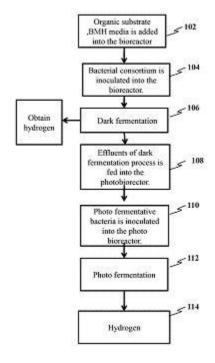


FIG-1

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

(22) Date of filing of Application :25/02/2014

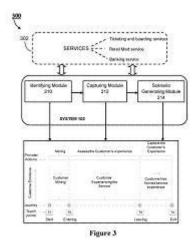
(43) Publication Date: 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR MONITORING CUSTOMER EXPERIENCE THROUGH A SERVICE SCENARIO DIAGRAM

<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>	29/06 :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:
(86) International Application No	:NA	1)PARANDKER, Sachin Ramesh
Filing Date	:NA	
(87) International Publication 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 discloses a system and a method for facilitating monitoring of customer experience for a service by generating a service scenario diagram. At first, one or more touch-points may be identified corresponding to plurality of stages of a service. Corresponding to each of the touch-points, customer experience data may be captured which indicates perception of the customer towards the service provided. Further, the service scenario diagram may be generated by populating the customer experience data in a predefined format. The service scenario diagram gives a pictorial representation of flow of the services and sub-services. Also, the service scenario diagram helps in capturing analyzed perceptions from both customers<sup>TM</sup>s and service provider<sup>TM</sup>s perspective. Thus, the service scenario diagram facilitates the monitoring of the customer experience at each of the stages associated with the service.



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

(22) Date of filing of Application :25/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A SYSTEM AND METHOD TO ANALYZE GAP(S) BETWEEN CUSTOMER PERCEPTION AND SERVICE PROVIDER PERCEPTION

(51) International classification		(71)Name of Applicant :
(51) International elassification	1/02	1)Tata Consultancy Services Limited
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PARANDKER, Sachin Ramesh
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present subject matter discloses system and method for determining gap between customer experience and service provider experience. At first, plurality of experience indicators is defined. Further, customer and service provider experience corresponding to each of the plurality of experience indicators is captured on pre-defined scale. The customer experience is captured by receiving first set of service ratings corresponding to first set of parameters. The service provider experience is captured by receiving second set of service ratings corresponding to second set of parameters. Further, first set of gaps and second set of gaps are determined based on the first set of service ratings and the second set of service ratings. Further, by comparing the first set of gaps and the second set of gaps, the gap between the customer experience and the service provider experience may be determined.

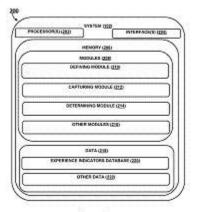


Figure 2

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

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

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A SYSTEM AND METHOD FOR ENHANCING INTERACTIVE ONLINE LEARNING 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>(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>	:G09B19/00 :13/897,633 :20/05/2013 :U.S.A. :NA :NA :NA :NA :NA	Address of Applicant:5720 LYNDON B JOHNSON FREEWAY SUITE 123 DALLAS, TX 75240 U.S.A. (72)Name of Inventor:  1)KUTTY, MANOJ 2)SONKAR, ANIL VISHWANATH 3)WARRIER, DINESH MADHAVAN 4)TATIMATLA, RAMESH BABU CHOWDAIAH
Filing Date (62) Divisional to Application Number Filing Date		4)TATIMATLA, RAMESH BABU CHOWDAIAH 5)CHOWDHURY, ANIRUDDHA DUTTA
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	1)KUTTY, MANOJ 2)SONKAR, ANIL VISHWANATH 3)WARRIER, DINESH MADHAVAN 4)TATIMATLA, RAMESH BABU CHOWDAIAH

#### (57) Abstract:

A method and system for enhancing interactive online learning technology. In one embodiment, the document transformation module transforms the input document in an extensible markup language (XML) format. The document parser module parses the input document transformed using an extensible style sheet language transformation (XSLT). The navigation file creation module creates a navigation order between a plurality of content in the input document parsed, wherein the navigation order is created to describe a relative path between the contents. The asset file creation module creates an asset file, wherein the asset file is created based on the relative path between the contents. The tagging module tags the contents in the input document transformed. The repository stores the input document transformed comprising: the navigation order, the asset file and the tags, in a repository and the interface enables a user to communicate with other user on the system using the stored document.

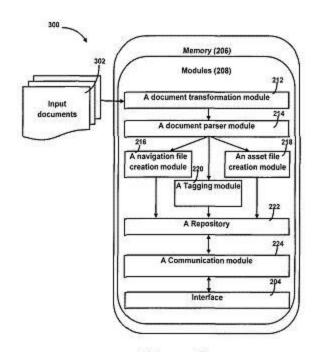


Figure 3

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN IMPROVED PROCESS FOR THE SYNTHESIS OF FIPRONIL

(51) International classification	:C07D231/44	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ATUL LIMITED
(32) Priority Date	:NA	Address of Applicant :P.O ATUL, DISTRICT - VALSAD,
(33) Name of priority country	:NA	GUJARAT - 396020, INDIA. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PAREKH, JAYESH, KANTILAL
(87) International Publication No	: NA	2)MEHTA, KEYUR, HARSHADBHAI
(61) Patent of Addition to Application Number	:NA	3)DESAI, KANUBHAI
Filing Date	:NA	4)PALANIAPPAN, R
(62) Divisional to Application Number	:NA	5)AGARWAL, SHIV, KUMAR
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a new, improved and efficient process for preparing 5-Amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethyl sulphinyl-3-carbonitrile pyrazole, also known as Fipronil represented by Formula (I), by oxidation of Fipronil sulfide represented by Formula (II) using a medium comprising at least one resin(s), at least one oxidizing agent(s) and at least one solvent(s).

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

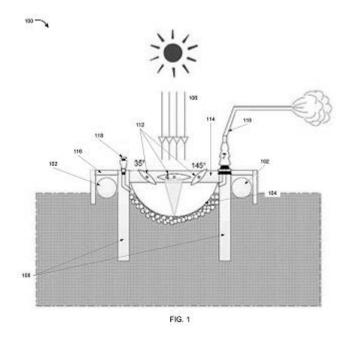
(22) Date of filing of Application :22/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR TRANSPORTATION OF LIQUID

<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>	:B65D88/00 :NA :NA :NA	(71)Name of Applicant: 1)PARALE, Adwait R Address of Applicant:RH25, KUNAL ICON, PIMPLE SAUDAGAR AUNDH PUNE 27 MAHARASHTRA, INDIA.
(86) International Application No Filing Date	:NA :NA	Maharashtra India (72)Name of Inventor :
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	1)PARALE, Adwait R
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure relates to method and apparatus for transportation and distribution of water using solar power. The disclosure provides means to evaporate water from a natural source or an artificial source using sun light and transporting the generated steam to the point of utilization for condensation before use. The disclosure also provides for collecting the condensates formed due to cooling of steam during transportation and re-evaporating it using sun light. It further provides for heating of steam during transportation to minimize its condensation during transportation.



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

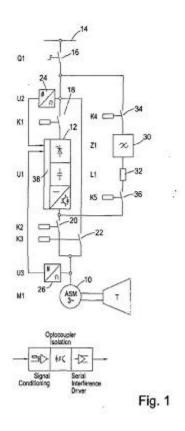
(22) Date of filing of Application :27/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ELECTRICAL GENERATOR

(31) Priority Document No :130	A (72)Name of Inventor: A 1)EIGENBRODT PETER 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:

An inverter circuit comprises an inverter which can be configurable for controlling the supply of mains current from a grid to an electric machine in a start-up mode whereby the machine drives the prime mover for initialisation. Thereafter the same inverter is reconfigurable as part of the circuit to supply reactive power to the grid when the machine is running as a generator powered by the prime mover.



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

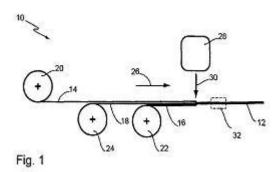
(22) Date of filing of Application :25/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MULTIPLE LAYER FILTER MEDIUM AND PRODUCTION METHOD THEREFOR

(51) International classification (31) Priority Document No	:B01D63/00 :NA	(71)Name of Applicant: 1)MANN+HUMMEL GMBH
(32) Priority Date	:NA	Address of Applicant :HINDENBURGSTRASSE 45, 71638
(33) Name of priority country	:NA	LUDWIGSBURG, GERMANY. Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NILESH THARVAL
(87) International Publication 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 an economic production of a very stable multiple layer filter medium (12). The method comprises the steps of: Providing at least two layers of filter medium (14,16) and a synthetic mesh (18); positioning the three layers (14,16,18) on top of each other; bonding all three layers (14,16,18) by needle punching and/or hydro entangling. Preferably, it is provided a coarse filter medium as a first layer of filter medium (14) and a fine filter medium as a second layer of filter medium (16). In particular, it is provided preferably a stiff open mesh as synthetic mesh (18). All layers (14,16,18) may be pleated during needle punching and/or hydro entangling without heat application in order to obtain a folded multiple layer filter medium (12) in a very economic way. The invention further relates to an apparatus (10) for applying the method described before.



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

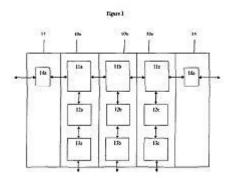
(22) Date of filing of Application :28/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COMMUNICATION MODULE.

(51) International classification	:G06Q10/00, H02J9/00, G06K17/00, G06F3	(71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: THE GRO, POOL ROAD, NEWTOWN SY16 3BE UNITED KINGDOM U.K.
(31) Priority Document No	:1302278.5	(72)Name of Inventor:
(32) Priority Date	:08/02/2013	1)WAIN RICHARD MARK
(33) Name of priority country	:GB	2)BEESTON BRYCE TREVOR
(86) International Application No	:NA	3)OREHAWA LUKE DUANE
Filing Date	:NA	4)KIRKWOOD JAMES ROBERT DOUGLAS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		·

### (57) Abstract:

A control module for use within a control network, the control module comprising: interface circuitry for enabling communication with an external device; communication means configured to communicate with the external device over the control network by communication with the interface circuitry; coupling means configured to mechanically couple the control module to an adjacent control module and provide a data connection between the communication means and the adjacent module; and an electrical isolation in the data connection between the communication means and the coupling means.



No. of Pages: 30 No. of Claims: 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3243/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN EFFICIENT PROCESS FOR PREPARATION OF FLUDARABINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C07H 19/00 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)EMCURE PHARMACEUTICALS LIMITED Address of Applicant:EMCURE HOUSE, T-184,M.I.D.C., BHOSARI, PUNE-411026, INDIA. Maharashtra India (72)Name of Inventor: 1)GURJAR MUKUND KESHAV 2)SONAWANE SWAPNIL PANDITRAO 3)KSHIRSAGAR SIDDESHWAR WASUDEO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)DESHPANDE MANGESH SHANTARAM 5)MEHTA SAMIT SATISH
(62) Divisional to Application Number Filing Date	:NA :NA	SAME AND

#### (57) Abstract:

An industrially viable method for the preparation of fludarabine phosphate; wherein debenzylation of 9-(2,3,5-tri-0-berizyl-|3-D-arabinofuranosyl)-2-fluoroadenine intermediate with palladium-charcoal in presence of transfer hydrogenating agent in an organic solvent and further purification of fuldarabine free base in cation exchange resin to pure fludarabine free base and its phosphate salt with pharmaceutically acceptable purity.

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

(22) Date of filing of Application :24/02/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: BULLETPROOF FABRIC AND METHOD FOR PRODUCING THE SAME

(51) International

:D06M15/256,D06M11/74,D06M15/507 classification

:30/08/2011

:30/08/2012

:10-2011-0086916

:Republic of Korea

:WO 2013/032246

:PCT/KR2012/006938

(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 :NA

to Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)KOLON INDUSTRIES INC.

Address of Applicant : Kolon Tower 42 Byeoryangsangga 2 ro Gwacheon si Gyeonggi do 427 709 REPUBLIC OF KOREA.

Republic of Korea

(72) Name of Inventor:

1)HAN In Sik 2)LEE Chang Bae 3)RHO Kyeoung Hwan

### (57) Abstract:

Filing Date

Disclosed are a bulletproof fabric and a method for producing the same that exhibit improved anti traumaproperty and minimize deterioration in bulletproofness even after use under harsh conditions for a long period of time. The bulletproof fabric includes a fabric comprising at least one high strength fiber selected from the group consisting of a high molecular weight polyethylene fiber an aramid fiber and a polybenzoxazole fiber and a water repellent layer disposed on the high strength fiber wherein the water repellent layer is formed by treating the fabric with a water repellent agent comprising fluorocarbon and a hardness enhancing resin and the hardness enhancing resin is a polyvinyl acetate resin a polyester resin a polyacrylate resin a melamine resin or a mixture of two or more thereof.

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

(22) Date of filing of Application :27/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : THERMALLY CONDUCTIVE ORIENTED PRODUCTS OF POLYETHYLENE AND A PROCESS FOR PRODUCING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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>	:C09K 19/58 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT, MUMBAI- 400021, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor:  1)KADAM SHIVAJI VIJAY 2)MATHUR AJIT BEHARI 3)GANDHAM SATYA SRINIVASA RAO 4)SATPATHY UMA SANKAR 5)SARMA KRISHNA RENGANATH 6)PATEL NANUBHAI FULJIBHAI 7)MEHTA GAURANG MANILAL 8)AMIN YOGINI MAHESHBHAI 9)SHAH AMIT KUMAR PUNAMCHAND 10)PATEL VIRAL KUMAR 11)JASRA RAKSH VIR
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#### (57) Abstract:

The present disclosure relates to a process for preparing of high thermal conductivity and high heat capacity oriented ultrahigh molecular weight polyethylene (UHMWPE) product. The process includes feeding UHMWPE through rollers to obtain a pre-laminate which is further hot stretched to obtain the oriented UHMWPE product having high thermal conductivity and high heat capacity. The temperature of stretching is maintained below the melt temperature of the UHMWPE throughout the entire process. There is also provided a high thermal conductivity and high heat capacity oriented UHMWPE product prepared by the process of the present disclosure. The oriented UHMWPE product is characterized in the axial thermal conductivity in the range of 70 to 200 W/mK, transverse direction thermal conductivity in the range of 0.022 to 0.045W/mK and heat capacity in the range of 6 to 25 MJ/m3K.

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

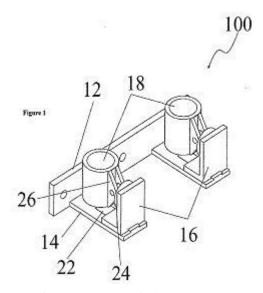
(22) Date of filing of Application :26/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A UNIVERSAL MOUNTING FIXTURE FOR AXLE COUNTER SENSORS.

=1.45.1.100	
:F16C41/00	(71)Name of Applicant:
:NA	1)CROMPTON GREAVES LIMITED
:NA	Address of Applicant :CROMPTON GREAVES LIMITED,
:NA	CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD,
:NA	WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA.
:NA	Maharashtra India
: NA	(72)Name of Inventor:
:NA	1)SHUKLA MAYANK
:NA	2)GEORGE ROSHAN
:NA	3)KAMBLE DEEPAK
:NA	4)MAHAJAN RAMAKANT
	:NA :NA :NA :NA :NA : NA :NA :NA

#### (57) Abstract:

A universal mounting fixture for axle-counter sensors, said fixture comprises: at least a longitudinal bar adapted to provide a support structure for said fixture when said fixture is aligned alongside rails; at least a transverse bar adapted to intersect said longitudinal bar; at least a resting bracket spaced apart from said at least a longitudinal bar; at least a sensor housing held by said resting bracket, said at least a resting bracket being provisioned on a slidable mechanism on said at least a transverse bar in order to provide for an operative horizontal linear motion on said transverse bar, thereby imparting a first degree of freedom to said fixture in terms of an operative horizontal linear motion of said at least a resting bracket on said at least a transverse bar; at least a plate angularly displaceable on an operative inner side of said upper vertical member of the resting bracket, thereby making said at least a sensor housing to be angularly displaceable, thereby imparting a second degree of freedom to said fixture in terms of a roll motion of said at least a sensor housing with respect to the ground; and at least a slidable mechanism on an outer side of said at least a sensor housing in order to work with said at least a plate in order to provide for an operative vertical linear motion to said sensor housing, thereby imparting a third degree of freedom to said fixture in terms of an operative vertical linear motion of said at least a sensor housing and sensor, thereof.



No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD TO PROVIDE INVENTORY OPTIMIZATION IN A MULTI-ECHELON SUPPLY CHAIN NETWORK

(51) International classification	:G06Q10/00	(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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAXENA, Avneet
(87) International Publication No	: NA	2)GUPTA, Anil Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System(s) and method(s) to provide inventory optimization in a multi-echelon supply chain network are disclosed. An input data comprising one or more product supply parameters along with an uncertainty factor associated with the product supply parameters are received through a configurable user interface. The input data is used to create a multi-echelon supply chain network. Supplier nodes are selected based on optimizing parameters and are allocated with respect to demand nodes. A lead time demand and a safety stock parameter are calculated. An optimal inventory plan is generated for each supply chain member associated with the supply chain network along with the safety stock parameter by minimizing the uncertainty factor thereby providing the inventory optimization. The optimal inventory plan is displayed in one or more parameters over the configurable user interface.

No. of Pages: 36 No. of Claims: 22

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HERBAL COMPOSITION FOR A BEVERAGE WITH ANTI-DIABETIC 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</li></ul>	:A61K 31/59 :NA :NA :NA	(71)Name of Applicant:  1)THAKOR (MAKWANA), Panchanbhai Virabhai Address of Applicant: KAMALPUR, TALUK RADHANPUR, DISTRICT PATAN, GUJARAT, INDIA Gujarat India 2)BAJANIYA, Bhikhiben Prahladbhai
Filing Date (87) International Publication No (61) Proceed of Addition to Application Number	: NA	(72)Name of Inventor: 1)BAJANIYA, Bhikhiben Prahladbhai 2)THAYOR (MAYWANA) Pray keyakkai Vinakkai
<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	2)THAKOR (MAKWANA), Panchanbhai Virabhai

#### (57) Abstract:

ABSTRACT HERBAL COMPOSITIONS FOR A BEVERAGE WITH ANTI-DIABETIC PROPERTIES Herbal compositions for a beverage with anti-diabetic properties, the herbal compositions comprising of at least a part of tea product, at least a part of Lepidagathis trinervis, at least a part of Pterocarpus marsupium, at least a part of Echinochloa colonum and at least a part of Hibiscus sabdariffa to which parts of one or more additional complimentary herb may be optionally added wherein the additional complimentary herb is also a herb used for a beverage with anti-diabetic properties. The invention also provides for methods of preparation of the herbal compositions.

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

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : ANTILEUKEMIC ACTIVITY OF N-ARYLATED AMINO DERIVATIVES AGAINST HUMAN CANCER K-562 CELL LINE.

(51) International classification	:C07D401/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. M. M. V. RAMANA
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ
(86) International Application No	:NA	(EAST), MUMBAI-400 098, MAHARASHTRA, INDIA.
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. M. M. V. RAMANA
Filing Date	:NA	2)SHARMA MADHU RADHEYSHYAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

The present invention relates to the Antileukemic activity of N-arylated amino derivatives against human cancer K-562 cell line.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.565/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A PROCESS FOR PURIFICATION OF REGADENOSON

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07H 19/167 :NA :NA :NA :PCT// :01/01/1900 : NA :NA	(71)Name of Applicant:  1)WOCKHARDT LIMITED  Address of Applicant: D-4, MIDC Area, Chikalthana, Aurangabad Maharashtra India (72)Name of Inventor:  1)Didgikar, Mahesh  2)Naithani, Pankaj Kumar  3)Merwade, Arvind Yekanathsa  4)Deo, Keshav
Filing Date	:NA	4)Deo, Resnav
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a process for the purification of crude Regadenoson using suitable solvent at a specific temperature to provide Regadenoson having purity greater than or equal to 99.5%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.566/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A PROCESS FOR THE PURIFICATION OF APREPITANT

(51) International classification	:C07D413/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WOCKHARDT LIMITED
(32) Priority Date	:NA	Address of Applicant :D-4, MIDC Area, Chikalthana,
(33) Name of priority country	:NA	Aurangabad Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Shinde, Pravin
(87) International Publication No	: NA	2)Yadav, Ramprasad
(61) Patent of Addition to Application Number	:NA	3)Merwade, Arvind Yekanathsa
Filing Date	:NA	4)Deo, Keshav
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a process for the purification of Aprepitant or its pharmaceutically acceptable salt from recrystallization technique using alcohol, for example, methanol alone.

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

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A SYSTEM AND METHOD FOR DYNAMICALLY OPTIMIZING THE PERFORMANCE OF HADOOP CLUSTER

(51) International classification	:G06F11/30, G06F9/445	(71)Name of Applicant: 1)IMPETUS INFOTECH INDIA PRIVATE LIMITED
(31) Priority Document No	:NA	Address of Applicant :24/B, Sarda House, A B Road, New
(32) Priority Date	:NA	Palasia, Indore - 452001, Madhya Pradesh, India Madhya Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MISHRA, Mayank
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System and method for optimizing performance of a distributed computing framework is disclosed. A set of nodes in a distributed computing framework is identified. Subsequently, predefined resources allotted to a node are extracted. A plurality of sub-optimizers is assigned to observe the predefined resources corresponding to the set of nodes. A sub-optimizer submits a linear constraint, to a parent optimizer, corresponding to the predefined resources allotted to the node to execute the job by the node. Based on the predefined resources allotted to the set of nodes, the job is executed using the set of nodes. Based on the execution, performance of the set of nodes executing the job with the resources allotted is monitored. Subsequently, values of the resources allotted to the set of nodes are re-arranged based upon the performance monitored and the linear constraints associated with the set of nodes, to optimize the performance of the distributed computing framework.

No. of Pages: 26 No. of Claims: 17

(21) Application No.625/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A PROCESS FOR THE SYNTHESIS OF 1, 4-DIHYDROPYRIDINE DERIVATIVES AND THEIR ANTILEUKEMIC ACTIVITY.

(51) International classification	:C07D471/20	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. M. M. V. RAMANA
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ
(86) International Application No	:NA	(EAST), MUMBAI-400 098, MAHARASHTRA, INDIA.
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. M. M. V. RAMANA
Filing Date	:NA	2)DR. R. S. LOKHANDE
(62) Divisional to Application Number	:NA	3)MEHTA ANKITA LAXMAN
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the synthesis of molecules showing cytostatic/cytotoxic potential against leukemia. Study relates to a process for the preparation of 1, 4-dihydropyridine derivatives and their anti leukemic activity.

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

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AMORPHOUS FORM OF DAPAGLIFLOZIN 1,2-PROPANEDIOL

(51) International classification	·C07D309/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CADILA HEALTHCARE LIMITED
(32) Priority Date	:NA	Address of Applicant :CADILA HEALTHCARE LIMITED
(33) Name of priority country	:NA	ZYDUS TOWER, SATELLITE CROSS ROADS
(86) International Application No	:NA	AHMEDABAD-380015 Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DWIVEDI SHRI PRAKASH DHAR
(61) Patent of Addition to Application Number	:NA	2)KHERA BRIJ
Filing Date	:NA	3)PATEL JAGDISH MAGANLAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention provides an amorphous form of dapagliflozin 1,2-propanediol of Formula (A) or hydrates thereof and their process for preparation. The present invention also provides a pharmaceutical composition comprising an amorphous solid dispersion containing dapagliflozin 1,2-propanediol or hydrates thereof. (A)

No. of Pages: 20 No. of Claims: 21

(22) Date of filing of Application :05/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: MULTI FUNCTIONAL VEGETABLE CUTTER WITHOUT USING ELECTRIC 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 Number Filing Date</li> </ul>	:B26D1/29, B26D5/08 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MR. MAHESH PATEL  Address of Applicant: OFF. 107/108, MAHAVIR INDUSTRIAL ESTATE, OPP. MALAD INDUSTRIAL UNITS COOP. SOCIETY LIMITED, RAMCHANDRA LANE EXTN, KANCHPADA, MALAD (WEST), MUMBAI - 400 064 Maharashtra India (72)Name of Inventor:  1)MR. MAHESH PATEL
(62) Divisional to Application Number Filing Date	:NA :NA	
	· · · <del>-</del>	

#### (57) Abstract:

A vegetable cutter comprising detachable stainless surgical blade and nylon thread attached with pulling handle, when pulled rotates the gear and with the help of the gear, the transmission is transferred to the blade and shifter. The to end pro motion of the pulley helps cutting the vegetable. The vegetable cutter functions on pulley mechanism and gear mechanism.

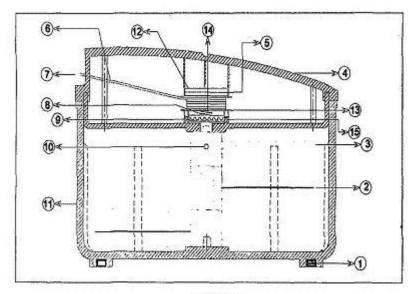


FIGURE -1

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.246/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BACULOVIRUS SYSTEM FOR THE EXPRESSION OF A GENE THERAPY VECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12N15/866,C12N7/00 :1156878 :27/07/2011 :France :PCT/FR2012/051791 :27/07/2012 :WO 2013/014400 :NA :NA :NA	(71)Name of Applicant:  1)GENETHON  Address of Applicant:1 bis rue de lInternationale F 91000  Evry France France (72)Name of Inventor:  1)GALIBERT Lionel  2)MERTEN Otto Wilhelm  3)JACOB Aurlien
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### (57) Abstract:

The invention concerns a recombinant baculovirus genome useful for the expression of gene therapy vectors by means of a single infection.

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

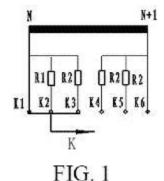
(22) Date of filing of Application :05/11/2013

(43) Publication Date: 25/09/2015

## (54) Title of the invention: TRANSITION MOVING AND FIXED CONTACT COMPONENT OF ON-LOAD TAP-CHANGER

#### (57) Abstract:

The present utility model discloses transition moving and fixed contact components of an on-load tap-changer, including a transition moving contact component and several transition fixed contacts in coordination with the transition moving contact component, where the transition moving contact component includes upper and lower transition moving contacts; the upper transition moving contact and the lower transition moving contact are electrically connected through a current conducting plate; an upper guiding plate is installed on the upper transition moving contact through a fastening piece; the upper and lower guiding plate is installed on the lower transition moving contact through a fastening piece; the upper and lower guiding plates are connected through a double-screw bolt. The upper and lower rollers that are rotatable around the double-screw bolt are sleeved on upper and lower ends of the double-screw bolt respectively. Diameters of the upper and lower rollers are respectively greater than the width of the upper and lower guiding plates, so as to enable rolling contact to be performed between the upper and lower rollers and groove walls of upper and lower guiding grooves of upper and lower faceplates respectively. The present utility model decreases a friction coefficient between the transition moving contact component and the guiding grooves of the faceplates, enabling the changer to operate more stably and smoothly, which lowers a changer accident rate, improves changer mechanical endurance, and makes a power grid operate securer.



No. of Pages: 17 No. of Claims: 5

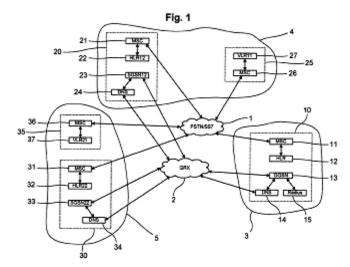
(22) Date of filing of Application :15/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD AND SYSTEM FOR ROAMING OF A MOBILE COMMUNICATIONS UNIT

(51) International classification	:H04W48/18,H04W8/18	(71)Name of Applicant:
(31) Priority Document No	:-	1)FOGG MOBILE AB
(32) Priority Date	:-	Address of Applicant :Box 5126 S 102 43 Stockholm
(33) Name of priority country	:Argentina	SWEDEN. Sweden
(86) International Application No	:PCT/SE2011/050886	(72)Name of Inventor:
Filing Date	:30/06/2011	1)STENBERG Carl Magnus
(87) International Publication No	:WO 2013/002694	2)SALQVIST Fredrik
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method for use when a mobile communication device roams be tween a home network (10) and foreign networks (20 30) which device comprises a SIM card using an IMSI. The method comprises the steps of a) storing on the SIM card a first IMSI for network identification; b)upon receipt of a location update message indicating that the mobile device has moved to a first visited network (20) firstly causing the HLR (12) to send an instruction message to the mobile device to change to a second IMSI the IMSI used for network identification; secondly causing the mobile device to use the second IMSI for network identification and saving the first IMSI; and then causing the mobile device to perform a device network refresh; and c)upon roaming back to the home network causing the mobile device to change the IMSI used for network identification back to the first IMSI and then to update its network status.



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

(22) Date of filing of Application :06/03/2014

(43) Publication Date: 25/09/2015

### (54) Title of the invention: USER AUTHENTICATION

(51) International classification	:G06F19/00	(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)ALASINGARA BHATTACHAR, Rajan Mindigal
(87) International Publication No	: NA	2)LOKAMATHE, Shivraj Vijayshankar
(61) Patent of Addition to Application Number	:NA	3)ADIGA, Barkur Suryanarayana
Filing Date	:NA	4)PURUSHOTHAMAN, Balamuralidhar
(62) Divisional to Application Number	:NA	5)CHAMARTY, Sitaram Venkata
Filing Date	:NA	

#### (57) Abstract:

Method and system for user authentication are described. The method comprises receiving an authentication code from an application server (108) seeking authentication of the user. Further, a private key of the user is computed in real time based on a user identity (ID) of the user and a master secret key of the PKG. The method further comprises, ascertaining a verification code based on the private key of the user and a verification timestamp, wherein the verification timestamp indicates a time at which the ascertaining of the verification code was initiated. Further, the authentication code is compared with the verification code. Further, the method comprises authenticating the user based on the comparison.

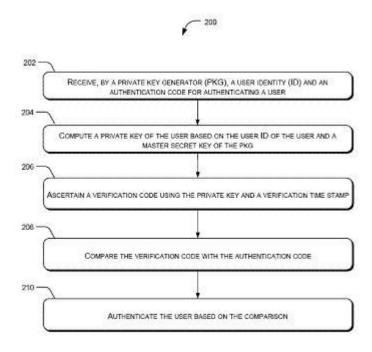


Figure 2

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

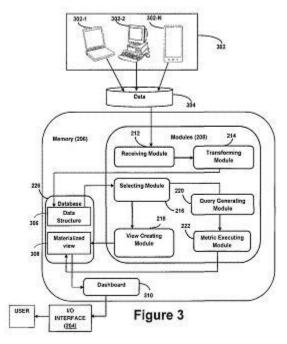
(22) Date of filing of Application :11/11/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR OPTIMIZING COMPUTATION OF METRICS FACILITATING MONITORING OF SERVICE LEVEL AGREEMENTS(SLA)

<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,
(33) Name of priority country (86) International Application No	:NA :NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)RAMESH, RAJINI 2)TUPAKULA, SRIKANTH
Filing Date	:NA	3)SHERLY, RESHMA
(62) Divisional to Application Number Filing Date	:NA :NA	4)PANDIAN, DHINAKARAN

### (57) Abstract:

Disclosed is a system and method for optimizing computation of metrics facilitating monitoring of service level agreements (SLA) in an IT enabled framework is disclosed. A receiving module may be configured to receive data associated to activities performed by the one or more service providers. A transforming module may be configured to transform the data into a user-defined data structure using a transforming technique. A selecting module may be configured to select an attribute and parameters associated to key performance indicator (KPI) of the one or more service providers. A view creating module may be configured to create a materialized view of the user-defined data structure based on the attribute selected. A query generating module may be configured to generate a query to be executed on the materialized view. A metric executing module may be configured to execute the query on the materialized view in order to compute the metric.



No. of Pages: 26 No. of Claims: 14

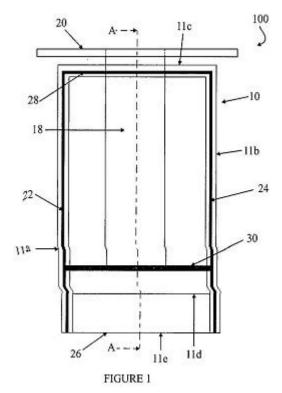
(22) Date of filing of Application :11/11/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PARTURITION MAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	A01K1/035 :NA	(71)Name of Applicant:  1)PADALKAR VIJAY KRISHNARAO Address of Applicant:SHOP NO. 3, KHALSA COMPLEX, PLOT NO. 55, SINDHI COLONY, MONDHA NAKA, AURANGABAD - 431005, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor: 1)PADALKAR VIJAY KRISHNARAO 2)PADALKAR VIJAY KISHANRAO
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#### (57) Abstract:

The present disclosure discloses a parturition mat (100) for absorbing and holding fluid wastes and solid wastes expelled from a patient during parturition. The parturition mat (100) includes a permeable layer, a first impermeable layer defining a first pocket and an elongated film (18). A second impermeable layer is disposed at least partially within the first pocket to sealingly hold the fluid wastes therewithin. The elongated film (18) enables covering at least a portion of the pelvic region of the patient during parturition. The parturition mat (100) reduces the time required for cleaning and sanitizing the delivery table, thereby providing a hygienic medical environment.



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

(22) Date of filing of Application :28/02/2014

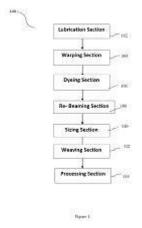
(43) Publication Date: 25/09/2015

# (54) Title of the invention : A PROCESS FOR MANUFACTURING LINEN DENIM FABRIC AND PRODUCT OBTAINED THEREFROM

(51) International classification (31) Priority Document No	:D03D13/00 :NA	(71)Name of Applicant: 1)ARVIND LIMITED
(32) Priority Date	:NA	Address of Applicant :NARODA ROAD, AHMEDABAD -
(33) Name of priority country	:NA	380025, GUJARAT, INDIA. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ALPESH PATEL
(87) International Publication No	: NA	2)DHARMESH G. SHAH
(61) Patent of Addition to Application Number	:NA	3)D V PANDYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

TITLE.: A PROCESS FOR MANUFACTURING LINEN DENIM FABRIC AND PRODUCT OBTAINED THEREFROM The present invention provides a linen denim fabric having linen yarns as warp, a process for manufacturing a linen denim fabric that overcomes all the difficulties in dyeing, weaving and processing of the linen denim fabric having linen yarns as warp and a method for producing linen yarn to be used as a warp. The present invention also provides a 100% linen denim fabric that is the fabric having linen yarns as warp and weft. Alternatively, the fabric of the present invention can have linen yarns as warp and weft as cotton, polyester, blends like cotton-polyester and many other yarns (synthetic and man-made). The finished linen denim fabric is soft and pleasant to handle. It has enhanced quality, workability and better drapeability. Ref. Figure: Figure 1



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

(21) Application No.78/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :09/01/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : CRANKSHAFT-LESS SYSTEM FOR RECIPROCATING ENGINE, RECIPROCATING COMPRESSOR AND RECIPROCATING PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G11C16/08, F04B39/00, F04B39/02, F04B :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MR. GOPAL PANDURANG LOHAR Address of Applicant:FLAT NO. 04, SWASTIK ANGAN, NEAR HANUMAN GYMNASIUM, CHANDAN NAGAR, PUNE-411014. Maharashtra India (72)Name of Inventor:  1)MR. GOPAL PANDURANG LOHAR
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#### (57) Abstract:

The invention relates to a Crankshaft-less system for Reciprocating engine, Reciprocating compressor and Reciprocating pump. The system comprises of, a piston (7) moving back and forth within the said cylinder (10), a connecting rod (9), one end of which is pivotally connected to the said piston (7) and another end to Pin A (5) which is an integral part of the external gear (1) so that the connecting rod (9) travels in a substantially linear motion that translates into rotational motion or vice versa, a crank (3), one end of which is inserted in pin B (6) and another end is to shaft (4) through key (16) which is fitted in the bearing (15) and having a primary axis of rotation; a hypocycloid gear set having at least one external gear (1) moving from inside of an internal gear (2), which is fitted in the crankcase (12).

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

(22) Date of filing of Application :04/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR CONSONANT-VOWEL RATIO MODIFICATION FOR IMPROVING SPEECH PERCEPTION.

	COCE	
(51) International classification		(71)Name of Applicant:
(-,	3/01	1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY.
(31) Priority Document No	:NA	Address of Applicant :INDIAN INSTITUTE OF
(32) Priority Date	:NA	TECHNOLOGY, BOMBAY, POWAI MUMBAI - 400 076
(33) Name of priority country	:NA	MAHARASHTRA, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PREM C. PANDEY
(87) International Publication No	: NA	2)A. R. JAYAN
(61) Patent of Addition to Application Number	:NA	3)NITYA TIWARI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Increasing the level of the consonant segments relative to the nearby vowel segments, known as consonant-vowel ratio (CVR) modification, is reported to be effective in improving speech intelligibility by listeners in noisy backgrounds and by hearing-impaired listeners. A method along with a system for real-time CVR modification using the rate of change of spectral centroid for detection of spectral transitions is disclosed. A preferred embodiment of the invention using a 16-bit fixed point processor with on-chip FFT hardware is also presented for real-time signal processing. It can be integrated with other FFT-based signal processing in communication devices, hearing aids, and other systems for improving speech perception under adverse listening conditions.

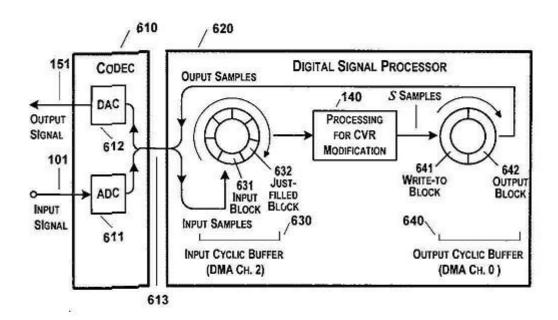


FIG. 6

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

(22) Date of filing of Application :04/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A PROCESS FOR ISOLATION OF ROMIDEPSIN FROM FERMENTATION BROTH AND PREPARATION OF CRYSTALS OF ROMIDEPSIN

<ul> <li>(51) International classification</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>	:C07K5/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Concord Biotech Limited    Address of Applicant: 1482 - 1486, Trasad Road Dholka 387 810 District: Ahmedabad Gujarat, India Gujarat India (72)Name of Inventor:  1)Vaid Ankur Sudhir
<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)Dhiman Anand Mahadev 3)Sharma Traunkant Parshuram

#### (57) Abstract:

The present invention describes a process for isolation of romidepsin from fermentation broth and preparation of crystals of romidepsin. The process of the invention includes fewer purification steps and provides romidepsin having purity of greater than 99.5% area by HPLC. The process of the invention involves simple purification steps and hence, does not require multiple chromatographic purification steps to achieve desired quality of romidepsin. The process is advantageous over reported processes in terms of 99.5% pure yield, fast process, less expensive and less cumbersome as multiple chromatographic purification is not necessary to achieve desired quality. The process for the preparation of crystals of romidepsin provides advantages like simple steps and involves use of single solvent. The process is advantageous in terms of time, cost, and simplicity.

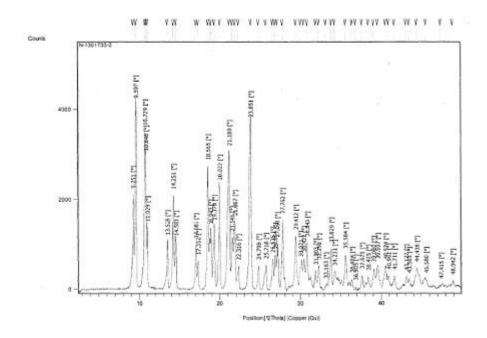


Figure 1

No. of Pages: 16 No. of Claims: 8

(22) Date of filing of Application :10/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: WHOLE-CELL BIOCATALYSTS IN THE DEGRADATION OF CELLULOSIC BIOMASS

<ul> <li>(51) International classification</li> <li>(31) 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>	:C12P 7/00 :13158634.9 :11/03/2013 :EPO :NA :NA	/ 000
<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)ROHARDT, Andreas 3)MAAS, Ruth 4)BROSSETTE, Tatjana

#### (57) Abstract:

The present invention concerns micro-organisms which present cellulases on their surface. Corresponding micro-organisms were produced with the aid of corresponding plasmids which encode a section comprising a signal peptide, a heterologous cellulase, an optional protease recognition site, a transmembrane linker and a transporter domain of an autotransporter or a variant thereof. Such micro-organisms were advantageously used in the conversion of cellulose into cellobiose and/or glucose. It was also possible to recover the micro-organisms from the reaction mixture following conversion from simple substrates. Also, a combination of various micro-organisms, which were populated with exocellulases, endocellulases and beta-glucosidases, were used to produce glucose from cellulose or wood.

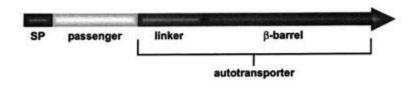


FIGURE 1

No. of Pages: 48 No. of Claims: 15

(22) Date of filing of Application :10/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: KINETIC ENERGY RECOVERY BRAKES COOLING METHOD AND APPARATUS

(51) International classification	:F02G3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Tata Technologies Pte Ltd
(32) Priority Date	:NA	Address of Applicant :8 Shenton Way, #19-05 AXA Tower
(33) Name of priority country	:NA	Singapore 068811 Singapore
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)KANDASAMY, Neelakandan
(87) International Publication 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 method and apparatus for facilitating regenerative type brakes cooling in a vehicle. The apparatus comprises an engine cooling unit integrated with brake cooling unit. The brake cooling unit comprises an in-line pipe and a return pipe for enabling the flow of the coolant to and from the braking unit. Further, a pump is provided with the transfer case which is operated by kinetic energy of the vehicle which is transfer via transfer case from driveline to the pump. Due to de-acceleration, the kinetic energy of the vehicle will flow from wheel to the driveline and then to the transfer case and finally to the pump. The pump is characterized in dissipating heat from braking unit by driving-in and driving-out the coolant from the braking unit. Also, the return pipe is connected with the radiator which is capable for rejecting the heat carried out by the coolant into ambient.

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

(22) Date of filing of Application :07/02/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: A PROCESS FOR THE PREPARATION OF O-SUBSTITUTED BENZOPHENONE DERIVATIVES.

	:C07C46/00,	(71)Name of Applicant:
(51) International classification	C07C45/54,	1)DR. M. M. V. RAMANA
	B01J23/10	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(31) Priority Document No	:NA	UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ
(32) Priority Date	:NA	(EAST), MUMBAI-400 098, INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. M. M. V. RAMANA
Filing Date	:NA	2)BETKAR RAHUL RAMESH
(87) International Publication No	: NA	3)NIMKAR AMEY PRAMOD
(61) Patent of Addition to Application Number	:NA	4)RANADE PRASANNA BHALCHANDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the synthesis of N-(2-aroyl phenylethyJ) benzamides via ring opening of 3, 4-dihydroisoquinolines with benzoyl chlorides using KF-Al2O3 as a heterogeneous basic medium in an aromatic hydrocarbon solvent.

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

(22) Date of filing of Application :13/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: APPARATUS FOR EFFICIENT HEAT CAPTURE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY.
(32) Priority Date	:NA	Address of Applicant :INDIAN INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY BOMBAY, POWAI, MUMBAI - 400076.
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. MILIND VISHWANATH RANE
(61) Patent of Addition to Application Number	:NA	2)PROF. SUFHINATH JINNAPPA SHANKARGOUDA
Filing Date	:NA	3)DURGESH NISHIKANT WADDEPALLI
(62) Divisional to Application Number	:NA	4)AKSHAY PARMAR
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses an apparatus for collecting and or storing solar energy. The apparatus for collecting solar energy comprises heat capturing elements arranged between a heat reflection structure to reflect and concentrate the thermal energy and a heat loss reduction structure to reduce thermal losses. The heat capturing elements are evacuated glass tubes. The apparatus for collecting sola energy is coupled to an apparatus for storing thermal energy. The apparatus for storing thermal energy comprises a storage chamber with storage medium composed of organic or inorganic materials. The apparatus for storing thermal energy comprises facilities for utilizing or tapping the thermal energy.

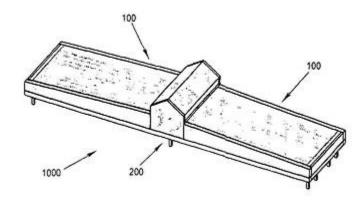


Figure-1

No. of Pages: 51 No. of Claims: 23

(22) Date of filing of Application :26/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: A DEVICE AND METHOD TO TRANSFER PRINTED MATTER UPON ANY SURFACE

:B41F23/08	(71)Name of Applicant:
:NA	1)M/S. CAN IMAGE MEDIA TECH
:NA	Address of Applicant :NO 8, KANTHARIA INDUSTRIAL
:NA	ESTATE, SOPARA PHATA, OPP. SOPARA PHATA POLICE
:NA	STATION, VASAI (EAST), DIST. THANE - 401208.
:NA	Maharashtra India
: NA	(72)Name of Inventor:
:NA	1)DAYARAM SUKHDEV MAHAJAN
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention relates to a device and method for transferring an impression from a substrate to a surface comprising a surface coated with first layer of release agent; either a second layer of polyvinyl acetate; and a third layer of mixture of acrylamide and styrene acetate or a single layer of mixture of polyvinyl acetate, acrylamide and styrene acetate; and having the impression to be transferred thereon, and a method of making the aforesaid device and transferring an impression from a substrate to a surface.

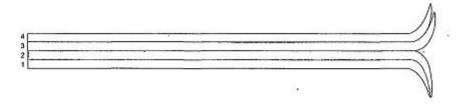


FIG. 1

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application :26/02/2014

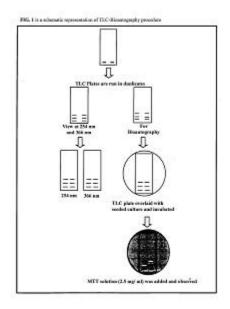
(43) Publication Date: 25/09/2015

# (54) Title of the invention: ISOLATION AND IDENTIFICATION OF BIOACTIVE COMPOUNDS FROM OCIMUM TENUIFLORUM LINN FOR ACNE VULGARIS.

(74) 7		(71)
(51) International classification	:A61P17/10	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NANCY PANDITA SCHOOL OF SCIENCE, SVKM'S
(32) Priority Date	:NA	NMIMS DEEMED-TO-BE UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :SCHOOL OF SCIENCE SVKM'S
(86) International Application No	:NA	NMIMS DEEMED-TO-BE UNIVERSITY V. L. MEHTA
Filing Date	:NA	ROAD, VILE PARLE (WEST), MUMBAI-400 056,
(87) International Publication No	: NA	MAHARASHTRA, INDIA. Maharashtra India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NANCY PANDITA
(62) Divisional to Application Number	:NA	2)VINITA APRAJ
Filing Date	:NA	

### (57) Abstract:

The invention relates to the effective separation of compounds against acne inducing bacteria as anti-acne agents from leaves of Ocimum tenutflorum Linn. The invention also describes the process of separation of antimicrobial compounds using High Performance Thin Layer Chromatography (HPTLC) - Bioautographic technique, and identification of the separated antimicrobial active compounds by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.807/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A CAMERA VIEW TAMPERING DETECTION SYSTEM.

	:G06T	(71)Name of Applicant:
(51) International classification	7/00,	1)CROMPTON GREAVES LIMITED
(31) memational classification	G06K	Address of Applicant :CROMPTON GREAVES LIMITED,
	9/00	CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD,
(31) Priority Document No	:NA	WORLI, MUMBAI-400030, MAHARASHTRA, INDIA
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PIRATLA ADITYA
Filing Date	:NA	2)SURENDRAN JAYALAKSHMI
(87) International Publication No	: NA	3)DAS MONOTOSH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A camera view tampering detection system in order to detect tampering events of camera using video stream that said camera captures, said system comprising: a frame decoding mechanism; a contrast detection mechanism; a frame blurring detection mechanism; a down sampling mechanism; an illumination noise removal mechanism; a background modeling mechanism; a foreground extraction mechanism; a difference and thresholding mechanism; an illumination noise removal mechanism; a color coherence estimation mechanism; and a foreground density at background estimation; characterized, in that, said system further comprising: at least a connected foreground density estimation mechanism in order to eliminate false positives detected by said color coherence estimation mechanism and said foreground density at frame boundary estimation mechanism, said connected foreground density estimation mechanism comprising a filter bank mechanism in order to perform blob pattern analysis on frames and to generate a noise model; and at least an output generator mechanism in order to generate positive outputs in relation to camera view tampering identification based on a plurality of parameters as determined by each of said mechanisms.

No. of Pages: 29 No. of Claims: 35

(22) Date of filing of Application :13/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PEDAL OPERATED CHILLI CRUSHER USING HUMAN POWERED FLYWHEEL MOTOR AS AN ENERGY SOURCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B02C18/06, B02C23/10, B02C13/30 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Mr.Swapnil Vitthalrao Channe Address of Applicant: ManikNagar,Near, New Bus Stop, Chimur,(W/P) Dist: Chandrapur Maharashtra India  2)Dr.Girish Devilal Mehta  3)Dr. J.P. Modak (72)Name of Inventor: 1)Mr. Swapnil Vitthalrao Channe 2)Dr.Girish Devilal Mehta 3)Dr. J.P. Modak 4)Mr. Atul B. Meshram 5)Mr.Akshay Pachpor 6)Mr. Harsh Kumar Dubey 7)Mr. Satish P. Lokhande 8)Mr.Anil Saldana 9)Mr. A.B. Kulkarni
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### (57) Abstract:

ABSTRACT Present invention relates to a pedal operated chilli crusher machine using flywheel motorthat uses human energy for driving the mechanism of the machine. The machine consists of bicycle mechanism and utilizes the human powered flywheel motor as an energy source. Following invention is described in detail with the help of Figure 1 of Sheet 1 showing Schematic Diagram of side view of chilly crusher machine and Figure 2 of sheet 2 showing top view of the present embodiment of chilli crusher.

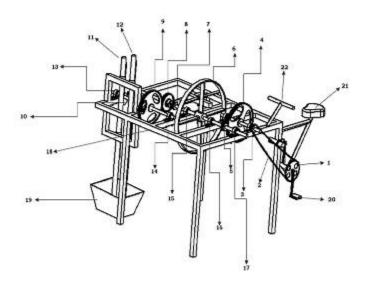


Figure 1

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

(21) Application No.621/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AN IMPROVED ANTI-THEFT SECURITY ALARM 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>	:B60R 25/10 :NA :NA :NA	(71)Name of Applicant:  1)DARJADA BAPUBHAI NURMAHMEDBHAI Address of Applicant:RAMRAJYA SOCIETY, DUNGAR ROAD, NR. RAILWAY STATION FATAK, TA.RAJULA, DIST. AMRELI, GUJARAT, INDIA. Gujarat India
(86) International Application No	:NA	2)AGAVAN FARUKBHAI HASAMBHAI
Filing Date	:NA	3)DR. HAKABHAI BHANABHAI HADIYA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DARJADA BAPUBHAI NURMAHMEDBHAI
Filing Date	:NA	2)AGAVAN FARUKBHAI HASAMBHAI
(62) Divisional to Application Number	:NA	3)DR. HAKABHAI BHANABHAI HADIYA
Filing Date	:NA	

# (57) Abstract:

The present invention relates to an improved anti- theft security alarm system which avoids the use of the sensors/detectors and which are economic, user friendly and east to be installed. The present invention mainly comprises of a pair of mobile phone devices, sensor, microprocessor, memory unit, buzzer or hooter and Leds.

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

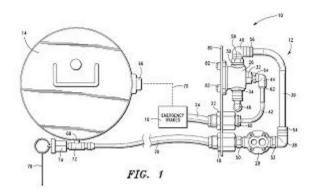
(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: AUTOMATIC AIR TANK PURGE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:61/772,822 :05/03/2013 :U.S.A. :NA :NA : NA :NA	· ·
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a system that automatically purges contaminants from an air pressure tank when the emergency brakes of a vehicle are set. In one preferred embodiment, the system comprises a valve comprising an input port, an exhaust port, and a control port. The input port is in fluid connection with a drain on the pressurized air tank, and the control port is in fluid connection with an emergency brake line of the vehicle. When the emergency brakes are engaged, the valve is open such that the input port and the exhaust port are in fluid connection operable for air and contaminants from the pressurized air tank to be expelled from the pressurized air tank through the exhaust port. When the emergency brakes are not engaged, the valve is closed such that the input port and exhaust port are not in fluid connection.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.744/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: KIT TO DETECT MILK ADULTERATION

(51) International classification	:G01N 21/00	(71)Name of Applicant: 1)EVEREST INSTRUMENTS PVT. LTD.
(31) Priority Document No	:NA	Address of Applicant :Plot No. 8-9, GIDC Estate, Visnagar-
(32) Priority Date	:NA	384315, Gujarat Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PATEL, Ajit
Filing Date	:NA	
(87) International Publication 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 discloses a kit to detect at least one adulterant in milk. The at least one adulterant includes at least one selected from a group of cane sugar, hydrogen peroxide, malt dextrin, glucose, ammonia, urea, nitrates, sulfates, detergents, neutralizers, starch, and formalin. Further, the invention provides a rapid detection method for indentifying milk adulterant.

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

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A HERBAL FORMULATION.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61K 31/59 :NA	(71)Name of Applicant:  1)SAVITA DIXIT  Address of Applicant:DEPARTMENT OF CHEMISTRY,
(32) Priority Date		MANIT, BHOPAL - 462 051, MADHYA PRADESH, INDIA.
(33) Name of priority country		Madhya Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAVITA DIXIT
(87) International Publication 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 herbal formulation which comprises a mixture of the following five herbs: Azadirachta Indica, Tinospora Cordifolia, Aloe Barbandesis, Triticum Aestivum and Ocimum Sanctum or a mixture of the active ingredients that have been extracted from those herbs or chemically synthesised. The herbal formulation of the invention is effective for the treatment of cancer, in particular skin related malignancies.

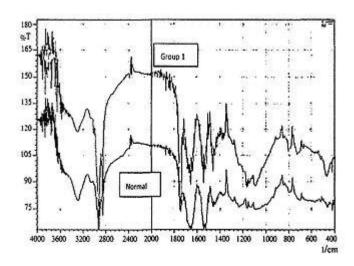


Fig. 1. Infrared spectra of normal and malignant Group I skin tissues of mice.

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

(22) Date of filing of Application :03/02/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: HAIR CLEANING KIT

(51) International classification :A61K8/02,A61K8/04,A61K8/73 (71)Name of Applicant: (31) Priority Document No :11178055.7

(32) Priority Date :19/08/2011 (33) Name of priority country :EPO

(86) International Application :PCT/EP2012/064031

No :17/07/2012 Filing Date

(87) International Publication No:WO 2013/026630

(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 Greater London EC4Y 0DY U.K.

(72) Name of Inventor:

1)AVERY Andrew Richard

2)KHOSHDEL Ezat 3)ROBERTS Glyn

### (57) Abstract:

A kit for cleansing hair comprising: a) a dry shampoo in which the dry shampoo comprises a particulate material preferably aluminium octenyl succinate starch or rice starch preferably in the form of an aerosol; and b) a substrate preferably a flexible sheet comprising a non woven material preferably comprising cellulose fibre or polyester fibre and mixtures thereof the substrate comprising a surfactant selected from the group consisting of nonionic anionic amphoteric and mixtures thereof.



No. of Pages: 14 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2654/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : CORROSION RESISTANT, HIGH BOND STRENGTH NANO COAT COMPOSITION AND METHOD OF MAKING THEREOF

		(71)Name of Applicant :
(51) International classification	B32B27/38,	1)M/S. ALTRON CHEMICALS
	C08K3/20	Address of Applicant :PL. NO 25, SR NO. 83/1, SAMBHAJI
(31) Priority Document No	:NA	NAGAR SAIDAPUR, SATARA (MH) INDIA. 415 002
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR SATISH D DESHPANDE
Filing Date	:NA	2)MR SAGAR SATISH DESHPANDE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(F7) A1		1

### (57) Abstract:

Corrosion resistant, high bonding strength steel guard nano coat composition and a method of making thereof, application process comprising f) tungsten and its derivative based and /or alkali of the component which is taken in the range of 10-30% of the total weight, g) vanadium and its alkali derivative is taken in the range of 5-25% by weight of the composition h) sodium nitrate taken in the range of 10-30% i) a Calcium Nitrate taken between 10-30% j) water

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

(22) Date of filing of Application :03/01/2014

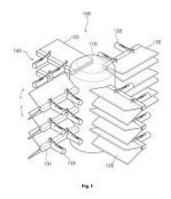
(43) Publication Date: 25/09/2015

# (54) Title of the invention : VARIABLE BLADE TYPE TIDAL AND WIND POWER GENERATOR WITH INCREASED GENERATION EFFICIENCY

(51) International classification :F03D9/ (31) Priority Document No :10-2013 (32) Priority Date :01/10/2 (33) Name of priority country of Korea (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA Filing Date :NA	1)LEE, In-Nam Address of Applicant :295 Paldang-ri Wabueuop Namyangjusi Gyeonggi-do, 472-908, Republic of Korea. Republic of Korea
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#### (57) Abstract:

Disclosed herein is a variable blade type tidal and wind power generator with increased generation efficiency. The tidal and wind power generator includes an installation frame (10), a vertical rotating shaft (20), blade installation bars (30) and (30<sup>TM</sup>), support rings (40) and (40<sup>TM</sup>), vertical support rods (50); rotor blades (60) and (60<sup>TM</sup>), vertical support frames (70), horizontal frames (80), an installation member (20<sup>TM</sup>), a support wire (50<sup>TM</sup>), a blade-spreading-degree control means (90), a generation efficiency enhancing means (100) and a generation means (200) which is coupled to the lower end of the vertical rotating shaft to generate power. The tidal and wind power generator can be operated even in conditions of gentle winds or low tides regardless of the direction of the wind or the tidal flow.



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

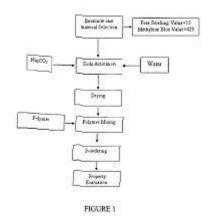
(22) Date of filing of Application :14/10/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A BENTONITE PRODUCT WITH ENHANCED BINDING PROPERTIES

(51) International classification	:C07D	(71)Name of Applicant:
(31) international classification	471/04	1)ASHAPURA MINECHEM LTD
(31) Priority Document No	:NA	Address of Applicant :INNOVATION & KNOWLEDGE
(32) Priority Date	:NA	CENTRE, PLOT 30 SECTOR 26, PARSIK HILL, CBD
(33) Name of priority country	:NA	BELAPUR, NAVI MUMBAI - 400 614, INDIA Maharashtra
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHAH CHETAN NAVNITLAL
(61) Patent of Addition to Application Number	:NA	2)VEETIL MANI THEMANEM
Filing Date	:NA	3)SAMANT ROOPALI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A composition comprising bentonite and a polymer is provided. The amount of bentonite ranges from 99 to 99.99 weight % and the amount of the polymer ranges from 0.01 to 1 weight %. The polymer is selected from carboxymethyl cellulose, hydroxylethyl cellulose, and derivatives thereof. A process for the preparation of the composition is also provided. A pellet comprising iron ore and the composition was prepared. The amount of iron ore in the pellet ranges from 90 to 95% and the amount of composition ranges from 0.05 to 2%. The iron ore is selected from hematite and magnetite. The pellet showed improved properties.



No. of Pages: 39 No. of Claims: 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.819/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SELECTIVE PROFILING OF APPLICATIONS

(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)CHOWDHURY, Kallol Saha
(87) International Publication No	: NA	2)CHATTERJEE, Swarup
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer implemented method for selective profiling of an application is disclosed herein. The method includes selecting at least one filter type for selecting one or more categories of functional blocks in an application file to be profiled. Based on the selected filter type, a relational hierarchical structure of functional blocks of the application file in the selected category is determined. The determining can be further based on an archive file associated with the application file. Further, one or more functional blocks are selected from the relational hierarchical structure for profiling, the selected functional blocks being associated with a functionality of the application. The selected functional blocks are profiled to achieve selective profiling of the application file for the functionality.

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

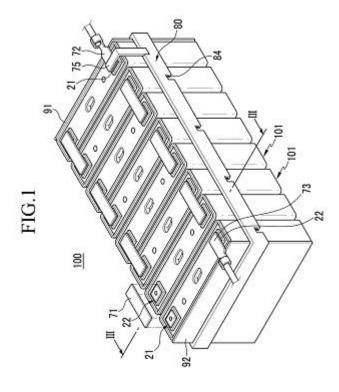
(22) Date of filing of Application :30/01/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: BATTERY MODULE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	H02J7/14 61/764,872 14/02/2013 U.S.A. NA NA NA NA NA NA	/
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#### (57) Abstract:

A battery module including a battery cell including: an electrode assembly including a first electrode and a second electrode; a case housing the electrode assembly; and a short circuit member at a side of the case and electrically coupled to the second electrode is disclosed. The battery may further include a short circuit connector including a short circuit conductor electrically coupled to the first electrode, the short circuit member being spaced from the short circuit conductor and being configured to change shape to contact the short circuit conductor, and the short circuit connector having a cutout below the short circuit conductor.



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

(22) Date of filing of Application :24/12/2013

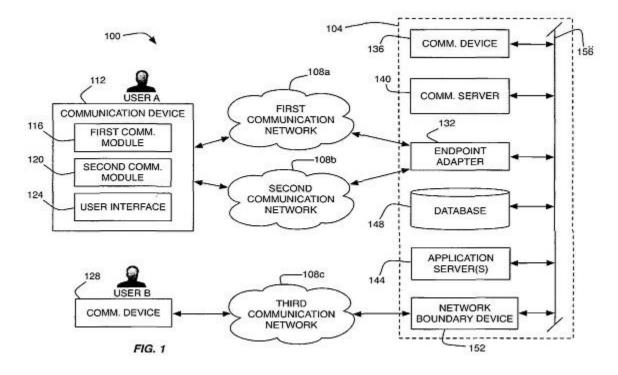
(43) Publication Date: 25/09/2015

# (54) Title of the invention: MEDIA ESCALATION WITH USE OF ENDPOINT ADAPTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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	(71)Name of Applicant: 1)AVAYA, INC Address of Applicant:211, MOUNT AIRY ROAD, BASKING RIDGE, NEW JERSEY 07920, USA. U.S.A. (72)Name of Inventor: 1)EZELL, JOEL M.
. ,		
Filing Date	:NA	

#### (57) Abstract:

An endpoint adaptor and methods of operating the same are provided. The endpoint adaptor provides a single persistent view of a mobile communication device to a network and network-based applications. Moreover, the ability to leverage the endpoint adapter to transition a communication session to include additional media types while the communication session is in-progress is also disclosed.



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

(22) Date of filing of Application :25/12/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CRYSTALLINE ACOTIAMIDE HYDROCHLORIDEHYDRATES

	:C07D	(71)Name of Applicant:
(51) International classification	471/00	
(31) Priority Document No	:NA	Address of Applicant :CADILA HEALTHCARE LIMITED
(32) Priority Date	:NA	ZYDUS TOWER, SATELLITE CROSS ROADS
(33) Name of priority country	:NA	AHMEDABAD-380015 Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DWIVEDI SHRI PRAKASH DHAR
(87) International Publication No	: NA	2)PRASAD ASHOK
(61) Patent of Addition to Application Number	:NA	3)SINGH RAMESH CHANDRA
Filing Date	:NA	4)JAIN KULDEEP NATWARLAL
(62) Divisional to Application Number	:NA	5)DESAI JITESH AMRATLAL
Filing Date	:NA	6)PATIL SACHIN ASHOKRAO

### (57) Abstract:

The present invention relates to crystalline Form-Z of acotiamide hydrochloride monohydrate of Formula (III) and the process for the preparation. Formula (III)

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

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A SYSTEM AND METHOD FOR DETECTING A HUMAN IN AN 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> </ul>	G06K9/62, G06K9/00, G06T7/4 :NA :NA :NA :NA	,
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:

Disclosed is a system for detecting a human in an image. An image capturing module captures the image using a motion sensing device, wherein the image comprises a plurality of pixels having gray scale information and a depth information. The image capturing module further segments the image into a plurality of segments based upon the depth information. An analysis module performs a connected component analysis on a segment in order to segregate the one or more objects into noisy objects and candidate objects. The analysis module further eliminates the noisy objects from the segment using a vertical pixel projection technique. A feature extraction module extracts a plurality of features from the candidate objects. An object determination module evaluates the plurality of features using a Hidden Markov Model (HMM) model in order to determine the candidate objects as one of the human or non-human.

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

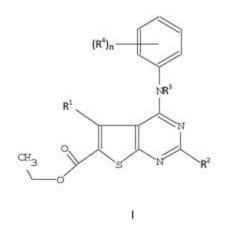
(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : COMPOUNDS FOR ERADICATING OR INHIBITING PROLIFERATION OF CANCER STEM 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</li></ul>	:C12Q 1/68 :NA :NA :NA :NA	(71)Name of Applicant:  1)GODAVARI BIOREFINERIES LTD.  Address of Applicant: SOMAIYA BHAVAN, 45-47,  MAHATMA GANDHI ROAD, POST BOX NO. 384, FORT,  MUMBAI - 400 001, MAHARASHTRA, INDIA Maharashtra India
(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	(72)Name of Inventor: 1)SANGEETA SRIVASTAVA 2)MAITHILI ATHAVALE 3)KEDAR SHUKRE 4)GAYATRI MORE

#### (57) Abstract:

ABSTRACT The present invention provides compounds of formula (I), compositions, uses thereof and methods for eradicating or inhibiting proliferation of cancer stem cells which includes killing; and/or inducing apoptosis in cancer stem cells. Included within the scope of such compounds, compositions, uses thereof and methods are those in which proliferation of cancer stem cells are selectively eradicated or inhibited. I



No. of Pages: 55 No. of Claims: 14

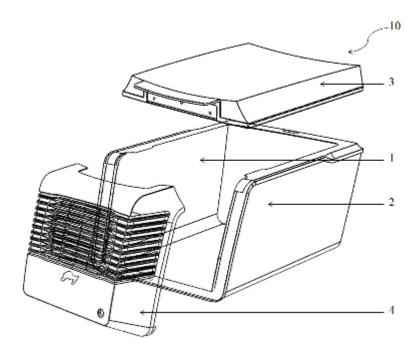
(22) Date of filing of Application :07/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A HEATING AND/OR COOLING UNIT WITH THERMALLY INSULATED CHAMBER

(51) International classification (31) Priority Document No	15/00 :NA	Address of Applicant :INNOVATION CENTER (PLANT -
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	13A) PIROJSHANAGAR, VIKHROLI, MUMBAI - 400 079, MAHARASHTRA INDIA Maharashtra India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)GOPALAN SUNDERRAMAN
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)BURZIN JAMSHED WADIA
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a heating and/or cooling unit with thermally insulated chamber comprising: an inner cabinet (1) having first opening (1a) and second opening (1b) to fill an insulation medium (5); an outer shell (2a) being fitted into the inner cabinet (1) through the first opening (1a), the outer shell (2) is made of three layers namely an outer layer (21), a middle layer (22) and an inner layer (23); a lid (3) having a groove (3a) to receive the outer shell (2b) and a hole (3b) to fill the insulation medium (5) and a cooling and heating engine (4) to provide heating and/or cooling operations; wherein the outer shell (2a) fitted into the first opening (1a) on the inner cabinet (1) so as to form a cavity between the outer shell (2a) and the inner cabinet (1), the cavity being filled by the insulation medium (5) and the heating and/or cooling inside the cavity is controlled by the heating and/or cooling engine (4).



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

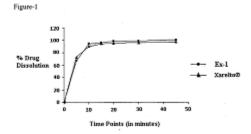
(22) Date of filing of Application :07/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION OF RIVAROXABAN

(51) International classification	:A61K 31/165	(71)Name of Applicant: 1)TORRENT PHARMACEUTICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :TORRENT HOUSE OFF ASHRAM
(32) Priority Date	:NA	ROAD, NEAR DINESH HALL, AHMEDABAD 380 009
(33) Name of priority country	:NA	GUJARAT INDIA Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAYA ABRAHAM
(87) International Publication No	: NA	2)SUJAY RAJHANS
(61) Patent of Addition to Application Number	:NA	3)SUKANTA CHATTERJEE
Filing Date	:NA	4)PRATIK SHAH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a solid oral dosage form comprising (a) Rivaroxaban and (b) inert granules comprising a hydrophilic polymer, and one or more pharmaceutically acceptable excipient(s), wherein said inert granules are free of Rivaroxaban. The present invention also relates to a solid oral dosage form comprising inert granules obtainable by granulating a hydrophilic polymer, and one or more pharmaceutically acceptable excipient(s) and adding Rivaroxaban and optionally one or more pharmaceutically acceptable excipients with said inert granules.



No. of Pages: 20 No. of Claims: 9

(22) Date of filing of Application :13/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : STORAGE MODULE AND METHOD FOR IMPROVING BOOT TIME DURING BLOCK BINARY SEARCHES

(51) Intermedianal alessification	.COCE15/16	(71) Name of Applicant.
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANDISK TECHNOLOGIES INC.
(32) Priority Date	:NA	Address of Applicant: Two Legacy Town Center, 6900 North
(33) Name of priority country	:NA	Dallas Parkway Plano, Texas 75024, 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)Daniel E. Tuers
(61) Patent of Addition to Application Number	:NA	2)Dana Lee
Filing Date	:NA	3)Abhijeet Manohar
(62) Divisional to Application Number	:NA	4)Yosief Ataklti
Filing Date	:NA	

#### (57) Abstract:

A storage controller is configured to find a last-written page in a block in a memory by sending a command to the memory to read a page of data, receiving at least some of the data from that page, and analyzing the at least some of the data from that page to determine if that page is a written page. In one embodiment, the storage controller instructs the memory to read the page of data using a sense time that is shorter than a sense time used to read a page of data in response to a read request from a host controller. Additionally or alternatively, the amount of the data received by the storage controller can be less than the amount of data received when reading a page of data in response to a read request from a host controller.

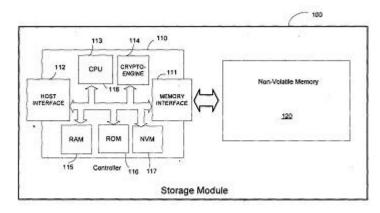


Figure 1

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

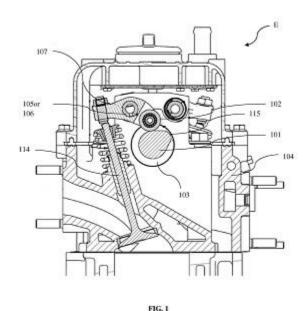
(22) Date of filing of Application :13/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A LUBRICATION ARRANGEMENT FOR A CAM AND A CAM-FOLLOWER OF AN INTERNAL COMBUSTION ENGINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F01M1/08 :NA :NA	(71)Name of Applicant: 1)TATA MOTORS LIMITED Address of Applicant: Bombay House, 24 Homi Mody Street,
(33) Name of priority country	:NA	Hutatma Chowk, Mumbai 400 001, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SAMEER INAMDAR
(61) Patent of Addition to Application Number	:NA	2)MAHESH ZOPE
Filing Date	:NA	3)ANUPAM PANWAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides a lubrication arrangement for an internal combustion engine. The arrangement comprises at least one cam shaft comprising a plurality of cams rotatably mounted in an engine head. A first rocker shaft and a second rocker shaft mounted parallel to the at least one cam shaft, comprises a plurality of rocker arms pivotally mounted thereon and engaging the at least one cam shaft for actuating valves of the internal combustion engine. A first oil gallery fluidly connected to an engine head oil gallery, wherein the first oil gallery is configured to supply lubrication oil to first rocker shaft and the second rocker shaft. Particularly, in the lubrication arrangement, at least one of the first rocker shaft and the second rocker shaft comprises a plurality of first radial holes for lubricating at least one of the cam and the cam-follower contact surfaces. FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.663/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: INHALER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07K 16/18 :NA :NA	(71)Name of Applicant:  1)LUPIN LIMITED  Address of Applicant:159 CST ROAD, KALINA,  SANTACRUZ (EAST), MUMBAI - 400 098, STATE OF
(33) Name of priority country (86) International Application No	:NA :NA	MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)BHIDE, VISHWAJIT 2)AMPERAYANI PATTABHI RAGHURAM 3)PIMPLE, ROHINI 4)CHOUBEY, BISHU
(62) Divisional to Application Number Filing Date	:NA :NA :NA	4)CHOUBET, BISHU

#### (57) Abstract:

An inhaler device comprising: a housing (2), a base plate (4) covering the housing (2), a medicament holder (10) integrated with the base plate (4), a mouthpiece (3) sitting over the base plate (4), a lid (1) which covers the mouthpiece (3), at least one piercing element (11), an actuating member (5), a spring (12), and is characterized in that the inhaler device is a two hinge system (6,8) wherein the base plate (4) is joined to hinge (6); the mouthpiece (3) and the lid (1) are joined to the hinge (8).

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

(22) Date of filing of Application :25/02/2014

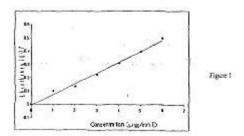
(43) Publication Date: 25/09/2015

# (54) Title of the invention : A NOVEL DISSOLUTION MEDIUM AND A PROCESS FOR ANALYZING THE EFFECT OF ALCOHOL ON DRUG RELEASE AND PERMEATION PATTERN

(51) International classification	:A61K31/045	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANAGHA M. JOSHI;; AND
(32) Priority Date	:NA	Address of Applicant : A-34, RUTUPARNA, NEAR
(33) Name of priority country	:NA	PARANJPYE NURSERY SCHOOL, KOTHRUD, PUNE-411
(86) International Application No	:NA	038, MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	2)SHIVAJIRAO S. KADAM
(87) International Publication No	: NA	3)ATMARAM P. PAWAR
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANAGHA M. JOSHI;; AND
(62) Divisional to Application Number	:NA	2)ATMARAM P. PAWAR
Filing Date	:NA	3)SHIVAJIRAO S. KADAM

#### (57) Abstract:

The present disclosure relates to a novel dissolution medium for analyzing the effect of alcohol on drug release and permeation pattern. The dissolution medium contains alcohol containing fluid and water. The amount of alcohol containing fluid in the dissolution medium of the present disclosure is optimized so as to maintain 2.6 wt% of absolute alcohol. The present disclosure also relates to a process for analyzing the effect of co-administration of alcohol or alcoholic beverages on the release and permeation profile of a drug.



No. of Pages: 39 No. of Claims: 8

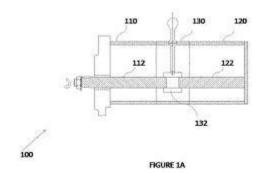
(22) Date of filing of Application :03/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: HYDRAULIC MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G05G9/047 :NA :NA :NA :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED  Address of Applicant: Gateway Building, Apollo Bunder, Mumbai 400001, Maharashtra, INDIA Maharashtra India (72)Name of Inventor:  1)GOMES MAXSON CASTER  2)SAVANT KEDARNATH DATTATRAY 3)WAGHODE RAMESH ARJUN 4)D™SOUZA SHARATH DOMINIC
Filing Date (62) Divisional to Application Number	:NA :NA	4)DTMSOUZA SHARATH DOMINIC 5)KALE SACHIN MADHUSUDAN
Filing Date	:NA	S)RALE SACHIN MADRUSUDAN

#### (57) Abstract:

TITLE: HYDRAULIC MECHANISM The present invention provides a tandem pump for a vehicle. The tandem pump comprises a front section and a rear section for displacing hydraulic fluid received from an inlet port, a first shaft rotatably supported in the front section, a second shaft supported in the rear section and driven by the first shaft and coupling section between the front section and the rear section wherein the coupling section includes a coupler configured for moving between a first position and a second position thereby enabling selective supply of hydraulic fluid to the vehicle. REF FIG. 1



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

(22) Date of filing of Application :07/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention: A SYSTEM AND METHOD FOR RECTIFYING A TYPOGRAPHICAL ERROR IN A TEXT FILE

(51) International classification		(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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PATIL, Sangameshwar Suryakant
(87) International Publication 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 system for rectifying a typographical error in a text file. The system comprises a network generating module for generating a linguistic network of a plurality of words present in the text file. A computation module configured to similarity between each pair of words based on a set of parameters. A weight assignment module for assigning a weight to the edge present between the each pair of words based the set of parameters. A categorization module configured to categorize one or more words present in the linguistic network in a category. A word identification module configured to identify a reference word from the category. A word substitution module configured to substitute each word of the category deemed as erroneous with corresponding reference word for rectifying the typographical error.

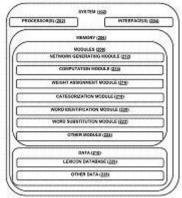


Figure 2

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A MODULAR HIERARCHICAL RF INDUCTION HEATING SYSTEMS.

(51) International classification	:H02J	(71)Name of Applicant :
(51) International classification	17/00	1)DIPANKAR
(31) Priority Document No	:NA	Address of Applicant :EE DEPARTMENT, IIT BOMBAY,
(32) Priority Date	:NA	POWAI, MUMBAI-400 076, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DIPANKAR
(87) International Publication 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 energy efficient process of RF Induction system has been proposed using modular hierarchical design of capacitor banks, i.e. arrangement of many low current rated capacitors in sub-assemblies in star5 network. Each subassembly acts as a super capacitor arranged in a higher order of star network. This process reduces parasitic and leakage inductances, improving efficiency of RF Induction system. The modular design of the assembly also helps in easy assembly/disassembly of the system, reduces cost of production due to standardization of components and eases servicing. Furthermore net higher surface area of capacitors eases cooling of the capacitor bank itself.

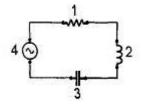


Figure 1

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

(22) Date of filing of Application :12/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INDUCTIVE INSERTION IN CABLE FOR DETECTION OF FAULTS AND DERIVE POWER FOR COMMUNICATION MODULES.

(51) International classification	·G08B1/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MILIND RAM BAPAT
(32) Priority Date	:NA	Address of Applicant :34, SWAGAT BANGLOW, AMAR
(33) Name of priority country	:NA	SOCIETY, BEHIND SNDT COLLEGE, LAW COLLEGE
(86) International Application No	:NA	ROAD, PUNE 411004 INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MILIND RAM BAPAT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention provides for inductive elements insertion in the conveyer belt safety wiring. The inductive element is of any type exemplified by a pure inductive element, or a lossy inductor constructed by winding coil around loss core or a current or voltage transformer and may be added inside sensor or wired separately add on • to conveyor cable. Conveyer belts master detect location in of short circuit. The master can be bypassed in case of failure as inductance doesn<sup>TM</sup>t affect DC or low frequency response. The sensors are capable of detecting self address. In case of wireless sensors, in addition to address location, the sensors can be powered via transformer type inductive element and sensors are capable of detecting short circuit location and sending it to master.

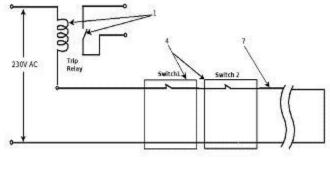


FIG. 1

No. of Pages: 16 No. of Claims: 9

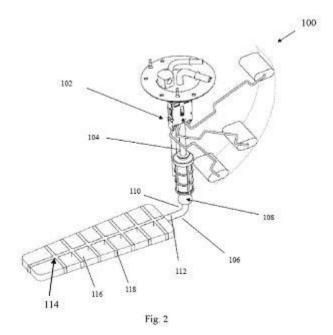
(22) Date of filing of Application :20/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: FUEL SUCTION 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</li> </ul>	45/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)TATA MOTORS LIMITED Address of Applicant: Bombay House, 24 Homi Mody Street, Hutatma Chowk, Mumbai 400 001, Maharashtra, India Maharashtra India (72)Name of Inventor: 1)NISHANT VIRMANI 2)MAHESH CHINTAMAN KULKARNI
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure relates fuel extraction system (100) for a fuel tank (10), the fuel extraction system (100) comprising: a suction pump (102) adapted to be associated with the fuel tank (10) for selectively pumping out fuel therefrom; a suction pipe (104) extending from the suction pump (102) in the fuel tank (10); and, a rotatable suction tube (106) engaged with an end portion of the suction pipe (104), the rotatable suction tube (104) being adapted to rotate with respect to the suction pipe (104) within the fuel tank (10). Fig. 2



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

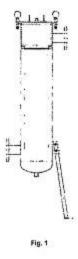
(22) Date of filing of Application :15/05/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR ONLINE CONTINUOUS REJUVENATION OF FLUIDS

<ul> <li>(51) International classification</li> <li>(31) 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>	:B01D35/06 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)NIKHIL J. SHAH  Address of Applicant: VIKALP TECHNO CENTER, C-11, AADINATH TOWERS, OPP. AKASHWANI RADIO, RAJKOT 360001, GUJARAT, INDIA Gujarat India (72)Name of Inventor:
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)NIKHIL J. SHAH

#### (57) Abstract:

Disclosed herein is a system and method for continuous online removal of non-natural colour, turbidity, flavour and odour from fluids such as edible oil and sugar syrups which, after said treatment, may be effectively reused, thereby saving on material resources and prolonging shelf life of the said fluids.



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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PROCESS FOR THE REMOVAL OF SODIUM FROM DI-SULFIDE 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C10G19/00, C10G19/08 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai-400021, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)SHOWN Biswajit  2)MURTHY Nagarathinam Shenbaga 3)DAS Asit Kumar 4)GHOSH Swapan 5)DAS Bidhayak 6)DONGARA Rajeshwer 7)RAY Anirban 8)PANSERIYA Chirag Dalpatbhai 9)Udayan S R 10)KATHIRIA Atul
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#### (57) Abstract:

In the present disclosure there is provided a process for obtaining di-sulfide oil having sodium level below 0.1 ppm wherein a stream comprising di-sulfide oil having sodium level 1 ppm, collected as a waste stream from LPG desulfurization unit, is passed through an alumina bed packed in a column at a pre-determined liquid hourly space velocity (LHSV) and at pre-determined temperature to obtain a treated stream comprising di-sulfide oil having sodium level below 0.1 ppm.

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PROCESS AND APPARATUS FOR PURIFICATION OF 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>	:C02F1/28, B01J20/06 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai 400 021.Maharashtra, India Maharashtra India (72)Name of Inventor:  1) KAUSLEY,SHANKAR B. 2)MALHOTRA,CHETAN PREMKUMAR 3)AHMAD,DILSHAD
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#### (57) Abstract:

The present disclosure relates to a process for the purification of water. The process includes leading water laden with microorganisms and arsenic through an arsenic adsorption media followed by treating the resultant arsenic deficient water with a disinfectant releasing system to obtain water deficient of arsenic and viable microorganisms. The present disclosure also provides an apparatus for the purification of water using the afore-stated process.

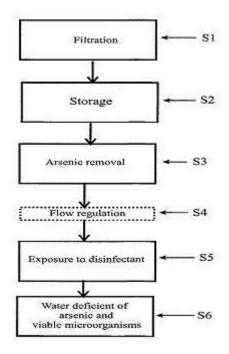


FIGURE I

No. of Pages: 33 No. of Claims: 14

- (19) INDIA
- (22) Date of filing of Application :20/03/2014

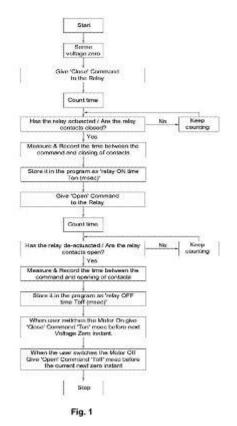
(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD FOR ACCURATE ZERO CROSS-OVER SWITCHING AND CONTROL SYSTEM BASED THEREON

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H03K5/22, H03K5/153 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Prashant M. Dixit  Address of Applicant:c/O Vijeta Switchgear Pvt Ltd, E-26, MIDC, Kupwad Block, Sangli 416436, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)Prashant M. Dixit
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#### (57) Abstract:

Disclosed herein is a method for precise and accurate zero cross-over switching of a relay based on determination of a specific delay time coefficients.



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

(22) Date of filing of Application :21/11/2013 (43) Publication Date : 25/09/2015

(54) Title of the invention : ORAL FILMS.

(51) International classification	:A61P25/34, A61K9/70, A61K47/32, A61K3	(71)Name of Applicant:  1)YADAV AKANKSHA BINDESHWARI PRASAD Address of Applicant: A-4/2, RUNWAL NAGAR, OPP.  JUPITER HOSPITAL, THANE (WEST)-400601 Maharashtra
(31) Priority Document No	:NA	India
(32) Priority Date	:NA	2)PAWAR HARSHAL ASHOK
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)YADAV AKANKSHA BINDESHWARI PRASAD
Filing Date	:NA	2)PAWAR HARSHAL ASHOK
(87) International Publication No	: NA	3)CHIVATE AMIT ASHOK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		•

### (57) Abstract:

The invention relates to an oral film made from a copolymer of polyvinyl alcohol and polyethylene glycol and at least one gum. The oral films may further contain a medicated active and a non-medicated component. The film upon application, depending upon the quantity of gum and other additives may quickly disintegrate releasing its contents in the mouth or stay adhered for the period of greater than an hour, greater than two hours and preferably for around four hours or more.



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

(22) Date of filing of Application :20/12/2013

(43) Publication Date: 25/09/2015

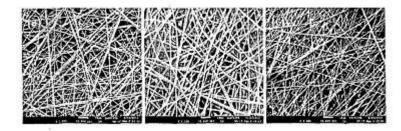
# (54) Title of the invention : ELECTROSPUN NANO-COMPOSITE SCAFFOLD BASED ON POLY-L-LACTIDE-CO-&-CAPROLACTONE, GELATIN AND NANO-HYDROXYAPATITE

(51) International classification	:A61L 27/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :POWAI, MUMBAI 400076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PROF. JAYESH BELLARE
(87) International Publication No	: NA	2)ATUL KUMAR SINGH
(61) Patent of Addition to Application Number	:3594/MUM/2012	3)AMIT KUMAR JAISWAL
Filed on	:24/12/2012	4)ROHIT S TEOTIA
(62) Divisional to Application Number	:NA	5)PROF. VIVEK P SONI
Filing Date	:NA	

### (57) Abstract:

The present invention is directed towards a bone graft material, formable bone composition for application to a bone defect site to promote new bone growth. In particular, the present invention relates to a bone substitute material which is a nano-composite membranous scaffold of a combination of Poly-L-Lactide-co- $\epsilon$ -caprolactone, (PLC)/gelatin/nano-hydroxyapatite developed by the process of electrospinning

Figure 1



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

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A PLANET WHEEL CARRIER FOR A PLANETARY GEAR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16H57/023 :13156296.9 :22/02/2013 :EPO :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)MOVENTAS GEARS OY  Address of Applicant: VESANGANTIE 1, P.O. BOX 158, FI -  40101 JYVASKYLA, FINLAND Finland  (72)Name of Inventor:  1)TOIKKANEN, JARI  2)TIRKKONEN, JORMA
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#### (57) Abstract:

A planet wheel carrier comprises first and second end-sections for supporting shafts of planet wheels (113-114) of a planetary gear so that geometrical rotation axes of the planet wheels are pithed at substantially uniform intervals on a periphery of a circle. The planet wheel carrier comprises a support structure connected to outer rims of the first and second end-sections and located between the first and second end-sections in the axial direction and between the planet wheels in the circumferential direction. The support structure is so far from the geometrical rotational symmetry axis of a sun shaft (111) of the planetary gear and the geometrical rotation axes of the planet wheels are so near to the rotational symmetry axis of the sun shaft that the diameter (D) of the planet wheels is capable of being at least 90% of a distance (d) between the geometrical rotation axes of adjacent planet wheels.

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

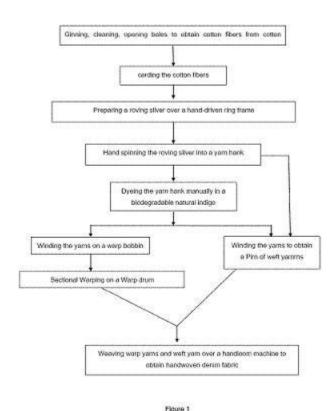
(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD FOR MANUFACTURING HAND SPUN DENIM FABRIC & FABRIC THEREOF

(51) International classification	:D06P5/26, D06P1/16	(71)Name of Applicant: 1)ARVIND LIMITED.
(31) Priority Document No	:NA	Address of Applicant :Naroda Road, Ahmedabad - 380025,
(32) Priority Date	:NA	Gujarat, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Alpesh Patel
Filing Date	:NA	2)Dharmesh G Shah
(87) International Publication No	: NA	3)D V Pandya
(61) Patent of Addition to Application Number	:NA	4)Bharat Sutariya
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

TITLE .: A METHOD FOR MANUFACTURING HANDWOVEN DENIM FABRIC & FABRIC THEREOF The present invention provides a process for manufacturing of hand spun yarns as warp or weft for a handwoven denim fabric, a process of manufacturing a handwoven denim fabric, and a handwoven denim fabric wherein the hand spun warp yarns have a khadi count between 26s to 80s and are dyed with natural indigo dye manually. The handwoven denim fabric has all the characteristics that are found in the Khadi. Ref Figure : Figure 1



No. of Pages: 30 No. of Claims: 13

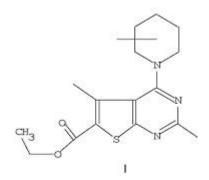
(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CANCER STEM CELL TARGETING COMPOUNDS.

	CION	
(51) International classification		(71)Name of Applicant:
	5/0793	
(31) Priority Document No	:NA	Address of Applicant :SOMAIYA BHAVAN, 45-47,
(32) Priority Date	:NA	MAHATMA GANDHI ROAD, POST BOX NO. 384, FORT,
(33) Name of priority country	:NA	MUMBAI -400 001, MAHARASHTRA, INDIA Maharashtra
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANGEETA SRIVASTAVA
(61) Patent of Addition to Application Number	:NA	2)MAITHILI ATHAVALE
Filing Date	:NA	3)KEDAR SHUKRE
(62) Divisional to Application Number	:NA	4)GAYATRI MORE
Filing Date	:NA	

### (57) Abstract:

The present invention provides compounds of formula (I), compositions, uses thereof and methods for inhibiting proliferation or obliterating cancer stem cells which includes killing; and/or inducing apoptosis in cancer stem cells. Included within the scope of such compounds, compositions, uses thereof and methods are those in which proliferation of cancer stem cells are selectively eradicated or inhibited. I



No. of Pages: 57 No. of Claims: 12

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR IDENTIFYING A SENSOR TO BE DEPLOYED IN A PHYSICAL ENVIRONMENT

(51) International classification	:H04W	(71)Name of Applicant:
(51) International classification	48/16	1)Tata Consultancy Services Limited
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)DEY, Sounak
Filing Date	:01/01/1900	2)DASGUPTA, Ranjan
(87) International Publication No	: NA	3)PAL, Arpan
(61) Patent of Addition to Application Number	:NA	4)MISRA, Prateep
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method and system for identifying a sensor to be deployed in a physical environment. The method may comprise storing sensor data and metadata of the plurality of sensors in a data store. Further, the method may comprise deriving sensor information comprising at least one of thematic information, temporal information, and spatial information. The method may further comprise creating sensor ontology to define a relationship between the sensor data, the metadata, and the sensor information. The sensor ontology may be stored in a knowledge repository of the data store. The method may further comprise receiving and decomposing the search query into at least one of a basic query component and an inferred query component. Finally, the method may comprise executing the basic query component or the inferred query component on the data store and the knowledge repository respectively in order to identify the sensor.

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

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DIGITAL MEASUREMENT DEVICE FOR NATURAL GASES

<ul> <li>(51) International classification</li> <li>(31) 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>	:H04R 3/00, G01F22/02 :NA :NA :NA :NA	(71)Name of Applicant:  1)SHINDE SAURABH SANJAY Address of Applicant: 480 Z,ANAND BHUWAN, OLD AGRA ROAD,NASIK 422 002 Maharashtra India (72)Name of Inventor: 1)SHINDE SAURABH SANJAY
(87) International Publication 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 Digital gas volume consumption rate can be calculated by this invention it includes the following steps- Accordingly, as an initial step, the range in the different positions of the knob head or knob arrow (302) was determined and was named as - position 0 (304), position 45 (305), position 90 (306), position 180 (303), as in figure (3). The next step involved the assumption that instead of burner at the controlled end (601), a flat ideal circular balloon (602) is attached, as in figure (6). The experiment was conducted by which at particular knob position VFR (Volume Flow Rate) was calculated. The VFR for all the knob positions was calculated and experimentally verified. The volume of gas used at the burning point was thus mathematically derived with respect to time. In the process, a multiplication constant, K, was derived, it was found that this constant, K, depends on gas flow module and differs for different gases. The microcontroller based model that is proposed to measure the real time LPG available in the cylinder is shown in the figure (1). The knob portion of the stove (figure (1) 102, figure (2) 207, figure (3) 301, figure (5) 514, 515, figure (6) 604, 608) is connected to potentiometer such that the arrow head of the knob (103) is mechanically coupled to the pot head or pot arm (105) of the potentiometer The analog value that is gained from the motion of the pot arm (105), which is achieved by the motion of the knob head (103), is given to ADC (Analog to Digital Converter) (106). The converted value is then given to the microcontroller (107), which then acquires the equivalent value assigned by the program from the lookup table and performs the mathematical calculations thus determining the actual amount of gas consumed or burned at the burning end and is then displayed via display (108).

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

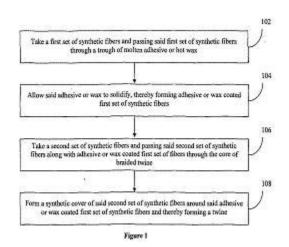
(22) Date of filing of Application :28/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD OF MANUFACTURING A STIFF, CUT AND BITE RESISTANT TWINE.

(51) I	D07D5/00	
(51) International classification	:D0/B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GARWARE-WALL ROPES LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 11, BLOCK D-1, MIDC,
(33) Name of priority country	:NA	CHINCHWAD, PUNE- 411 019. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANJAY V. RAUT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of manufacturing a stiff, cut and bite resistant twine, which is used in fishing nets, more specifically aquaculture nets. Particularly, the invention provides an economical method of manufacturing a stiff, cut and bite resistant twine, having adhesive or wax coated first set of synthetic fibers synthetically covered by a second set of thick and stiff synthetic fibers by passing said second set of synthetic fibers along with adhesive or wax coated first set of fibers through the core of braided twine.



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

(21) Application No.783/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :07/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : NEW PROCESS TO CONVERT HETEROGENEOUS KUMADA TYPE COUPLINGS BASED ON NICKEL (II) CATALYSTS TO HOMOGENEOUS REACTIONS

<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>	14/565 :NA :NA :NA	Address of Applicant :POWAI, MUMBAI 400076, MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor :
(86) International Application No	:NA	1)KUMAR ANIL
Filing Date	:NA	2)MUKHERJEE SMITA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT A novel process for producing conducting and transparent thin films The invention relates to a process for producing highly conducting and highly transparent thin films based on poly(3,4-ethylene dioxythiophene):polystyrene sulphonate (PEDOT:PSS), comprising the steps of coating thin films of PEDOT:PSS dispersion on a substrate and treating the films obtained in step (b) by a solution of an organic acid in a suitable solvent. It further also relates to application of these highly conducting and highly transparent thin films in transparent conductors in Liquid Crystal Display, Flexible Displays, Thin film transistors, Organic Displays, Transparent electrodes, Electrochromic displays etc.

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

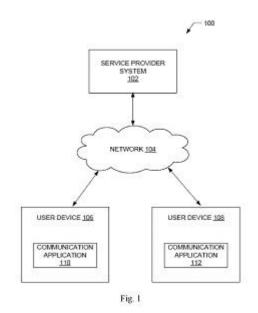
(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: INTERNATIONAL DIALING THROUGH A RELAY

(51) International classification	:H04M3/42	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Turakhia, Bhavin
(32) Priority Date	:NA	Address of Applicant :Directiplex, Old Nagarads Road, near
(33) Name of priority country	:NA	Andheri Subway Andheri (East), Mumbai 400069 Maharashtra,
(86) International Application No	:NA	India Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Turakhia, Bhavin
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In example embodiments, a system and method for international dialing through a relay is provided. A call is received from a device of a caller to a pool number. An identifier of the caller is identified from the call. A pool string is determined from the pool number whereby the pool string having one or more digits of the pool number. A destination string is identified to which a combination of the identifier of the caller and the pool string maps in a database whereby the destination string by itself is insufficient to obtain a destination number. The destination number is constructed using the destination substring and one or more digit keys associated with the call. The call is forwarded to the destination number.



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

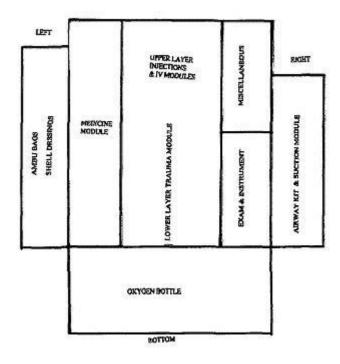
(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: GOLDEN HOUR BACKPACK-ER - A NOVEL EMERGENCY MEDICAL RESPONSE 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>	:A61B 5/04 :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. SANGRAM SINGH PUNDIR  Address of Applicant: M/S.GOLDEN HOUR EMERGENCY  MEDICARE SOLUTIONS PVT.LTD;A-11/504 - FLORIDA  ESTATE, KESHAV NAGAR, MUNDWA, PUNE 411 036  Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. SANGRAM SINGH PUNDIR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention is a compact, comprehensive, modular and portable emergency medical response system designed as a backpack for use by a doctor or paramedic. Its several modules contain all equipment and medicaments necessary to deal with almost any emergency. The modules are arranged scientifically to enable their quick, error-free and efficient use. while dealing with a life and death situation. The user gets everything sequentially as required which is important when time is of essence. All equipments and drugs are carefully selected to optimize their effectiveness, usage of space minimizing the weight to enable it to be carried by the user in hostile situations like military operations at high altitudes or in jungles/ marine environment. The invention is useful in managing urban and rural civil trauma during natural and man-made disasters and even for routine medical care in remote areas. It also has a telemedicine hub for remote monitoring, inspection and auscultation and live audio-visual consultation with specialists through smartphone and/or /broadband connectivity.



No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :03/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SPACE PLANNING AND OPTIMIZATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F17/50 :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMANAN, Sharadha
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)PADMANABHAN, Kishore
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method for space planning and optimization includes obtaining key demographics and key parameters for each of the one or more departments. The key demographics and the key parameters are associated with performance of the department. The plurality of stores is clustered into one or more department-level clusters based on the key demographics and key parameters. For each department-level cluster, the departments and stores are ranked to obtain a set of optimal departments and a set of optimal stores, respectively, for space planning and optimization. The optimal departments are top predetermined number of departments in each department-level cluster. The optimal stores are top predetermined number of stores in each department-level cluster. Space planning recommendations are generated, for each of the set of optimal stores, by processing information associated with the set of optimal departments and the set of optimal stores using nonlinear space optimization mechanism utilizes one or more optimization parameters.

No. of Pages: 53 No. of Claims: 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.729/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: IONIC FLUID PRECURSORS

<ul> <li>(51) International classification</li> <li>(31) 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>	:C11D 3/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai-400021, Maharashtra, India. Maharashtra India  (72)Name of Inventor:  1)UPPARA Parasu Veera
(87) International Publication No	: NA	2)ADURI Pavankumar
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SHYAMROY Subarna
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present disclosure provides an ionic fluid pre-cursor being a reaction product of at least one compound of formula (I) and at least one hydrogen donor and having a softening point less than the melting point or softening point of said compound of formula (I)

MxAy.zH2O

The present disclosure also provides a process for preparing the ionic fluid pre-cursor. The present disclosure further provides an ionic fluid and a process for preparing the same.

No. of Pages: 37 No. of Claims: 21

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: COMPACT MINIATURE CIRCUIT BREAKER ASSEMBLY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01H 1/58 :NA :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: LARSEN & TOUBRO LIMITED L&T  HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400  001, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANDHYA CHANDRAN
(87) International Publication No	: NA	2)SUKUMAR SUBASH
(61) Patent of Addition to Application Number	:NA	3)VENKATACHALAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed is a compact miniature circuit breaker assembly, The compact miniature circuit breaker assembly comprises a base housing with a half module width, The base housing includes a contact system, a trip mechanism, a magnetic release, a thermal release, an arc chute, an arc runner, terminals, shutters and a box clamp assembly housed therein. Further, the compact miniature circuit breaker assembly includes a covering member capable of securing the base housing thereby forming a half module width miniature circuit breaker.

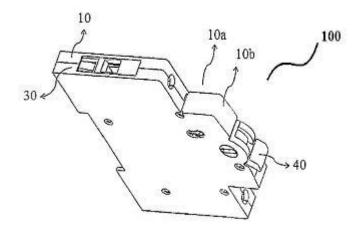


Figure 1

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

(22) Date of filing of Application :20/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR PREPARING HYDROTREATING CATALYST FROM BIOMASS

<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>	:C10G3/00, C10G45/06 :NA :NA :NA	(71)Name of Applicant:  1)Indian Oil Corporation Ltd. Address of Applicant: G-9, Ali Yavar Jung Road, Bandra (East), Mumbai-400 051, India Maharashtra India (72)Name of Inventor:
(86) International Application No	:NA	1)MUNIASWAMY, Rajesh
Filing Date	:NA	2)ARUMUGAM, Vignesh
(87) International Publication No	: NA	3)SAU, Madusudhan
(61) Patent of Addition to Application Number	:NA	4)KUMAR, Brijesh
Filing Date	:NA	5)RAJAGOPAL, Santanam
(62) Divisional to Application Number	:NA	6)SHARMA, Durlubh Kumar
Filing Date	:NA	7)MALHOTRA, Ravinder Kumar

## (57) Abstract:

The present invention relates to a simple and cost effective process of making hydrotreating catalyst from biomass using Group VI B and Group VIII metals in presence of a surface modifying chemical reagent. The catalytic metals have been deposited on the carbonized biomass, and the resulting formation have high BET surface area along with generation of micro and meso pores suitable for allowing larger size molecules for reaction to happen. The catalyst of the present invention is found to be useful for hydrotreating of vegetable oil, bio-oil, crude oil, petroleum or coal derived gas oil or blends thereof. Compared to existing hydrotreating catalyst preparation methods this invention provides a facile, high-yield and low-cost pathway to synthesis Ni-Mo hydrotreating catalyst.

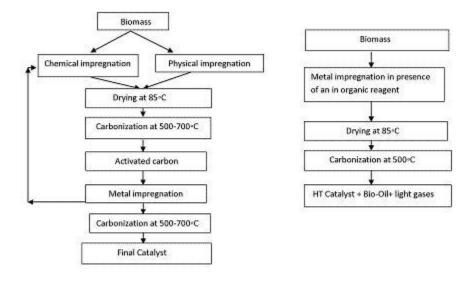


Fig. 3

No. of Pages: 26 No. of Claims: 38

(22) Date of filing of Application :21/02/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: MACHINE FOR ASSEMBLING FILLING AND SEALING PORTIONED BEVERAGE CAPSULES

(51) International :B65B43/52,B65B65/00,B65B31/02 classification

(31) Priority Document No :MI2011A001619 (32) Priority Date :08/09/2011

(33) Name of priority country: Italy

(86) International Application :PCT/IB2012/054607

:06/09/2012

Filing Date

(87) International Publication :WO 2013/035061

(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)AZIONARIA COSTRUZIONI MACCHINE

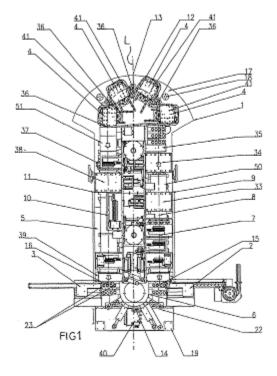
AUTOMATICHE A.C.M.A. S.P.A.

Address of Applicant: Via Cristoforo Colombo 1 I 40131

Bologna Italy Italy (72) Name of Inventor: 1)SCRIVANI Massimo

## (57) Abstract:

The machine (1) for assembling filling and sealing capsules (23) for portioned beverages comprises a station (2) for loading the capsules (23) to be assembled a station (3) for unloading the assembled filled and sealed capsules (23) a plurality of processing stations comprising at least one station (4) for metering a product into the capsules (23) and at least one station (5) for sealing the capsules (23) filled with the product and an intermittent conveyor (6) for conveying the capsules (23) sequentially along a feed path (7) from the loading station (2) to the unloading station (3) through the processing stations the feed path (7) having at least a first stretch (8) which extends along a first lateral longitudinal side (9) of the machine and at least a second stretch (10) which extends along a second lateral longitudinal side (11) of the machine opposite the first lateral side (9).



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

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NOVEL SALTS OF (R)-8-CHLORO-1-METHYL-2,3,4,5-TETRAHYDRO-1H-3-BENZAZEPINE •

(51) International classification	:C07D223/16, C07D203/08	(71)Name of Applicant: 1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :Zydus Tower, Satellite Cross Roads,
(32) Priority Date	:NA	Ahmedabad 380 015, Gujarat, India Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DWIVEDI, Shri Prakash Dhar
Filing Date	:NA	2)PARIHAR, Jayprakash Ajitsingh
(87) International Publication No	: NA	3)SHAH, Alpesh Pravinchandra
(61) Patent of Addition to Application Number	:NA	4)GAJJAR, Samir Rameshbhai
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
()		

### (57) Abstract:

NOVEL SALTS OF (R)-8-CHLORO-1-METHYL-2,3,4,5-TETRAHYDRO-1H-3-BENZAZEPINE The present invention provides novel salts of the 5-HT2C-receptor agonist (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine (known as lorcaserin). The invention also provides to process for the prepration of these salts. Further the invention provides pharmaceutical compositions and dosage forms comprising therapeutically effective amount of the salts of the 5-HT2C-receptor agonist (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine, for weight management.

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

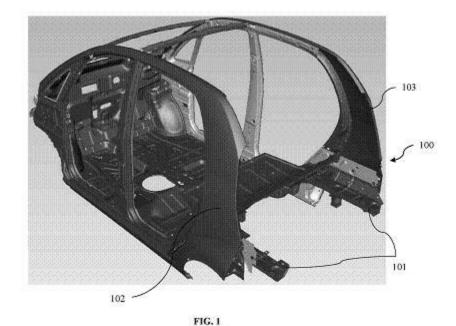
(22) Date of filing of Application :17/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A COMMON REAR PART STRUCTURE OF A VEHICLE

(T4) T	D (0D 04 /00	
(51) International classification	:B62D21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA MOTORS LIMITED
(32) Priority Date	:NA	Address of Applicant :Bombay House, 24 Homi Mody Street,
(33) Name of priority country	:NA	Hutatma Chowk, Mumbai 400 001, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRASHANT R RAYJADE
(61) Patent of Addition to Application Number	:NA	2)MANGESH TARU
Filing Date	:NA	3)PANKAJ V TIKAR
(62) Divisional to Application Number	:NA	4)KIRAN S PATIL
Filing Date	:NA	5)HC NAVEEN KUMAR

### (57) Abstract:

The present disclosure relates a common rear part structure vehicle which is adapted to accommodate either one of swing type tail gate and fixed type tail gate. The common rear part structure comprises an under body structure capable of accommodating two or more variants of tail gate sill. A pair of side structures attached to either sides of the under body structure. The pair of side structures are capable of accommodating two or more variants of tail lamp assemblies. The common rear part structure also comprises at least one variant of roof bow structure interconnecting top ends of the pair of side structures. FIG. 1



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

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CONTROLLED RELEASE COMPOSITIONS OF CEFIXIME AND OFLOXACIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K31/56 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INVENTIA HEALTHCARE PRIVATE LIMITED Address of Applicant: UNIT 703 & 704, 7TH FLOOR, HUBTOWN SOLARIS, N S PHADKE MARG, ANDHERI (EAST), MUMBAI - 400 069, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor: 1)MUKHERJI GOUR 2)JAIN JAYESH MANAKCHAND 3)SHAH VAIBHAVI ANKUR 4)SOMANI VIJAY GIRDHARILAL 5)PANDA BYOMAKESH
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### (57) Abstract:

The present invention deals with controlled release pharmaceutical compositions comprising cefixime, ofloxacin and at least one controlled release agents and a process for preparation thereof.

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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SUGAR PRODUCTS AND FABRICATION METHOD THEREOF

(51) International classification		(71)Name of Applicant:
	C13K1/02	1)INDUSTRIAL TECHNOLOGY RESEARCH
(31) Priority Document No	:NA	INSTITUTE
(32) Priority Date	:NA	Address of Applicant :No. 195, Sec. 4, Chung Hsing Rd.,
(33) Name of priority country	:NA	Chutung, Hsinchu 31040, Taiwan, R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ruey-Fu SHIH
(87) International Publication No	: NA	2)Jia-Yuan CHEN
(61) Patent of Addition to Application Number	:NA	3)Hui-Tsung LIN
Filing Date	:NA	4)Hom-Ti LEE
(62) Divisional to Application Number	:NA	5)Hou-Peng WAN
Filing Date	:NA	6)Wei-Chun HUNG

#### (57) Abstract:

TITLE.: SUGAR PRODUCTS AND FABRICATION METHOD THEREOF In an embodiment of the present disclosure, a sugar product and method for fabricating the same is provided. The method includes mixing an acid compound and lithium chloride, magnesium chloride, calcium chloride, zinc chloride or iron chloride or lithium bromide, magnesium bromide, calcium bromide, zinc bromide or iron bromide or heteropoly acid to form a mixing solution, adding a cellulosic biomass to the mixing solution for a dissolution reaction, and adding water to the mixing solution for a hydrolysis reaction to obtain a sugar product. The present disclosure also provides a sugar product fabricated from the method.

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

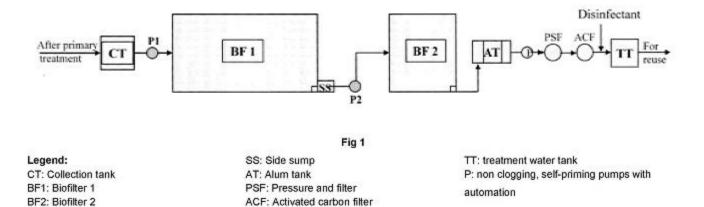
(22) Date of filing of Application :10/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR EFFLUENT REUTILIZATION

(51) International classification	:C25C3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Navin Naresh Singh
(32) Priority Date	:NA	Address of Applicant :Flat No. 9, Ganeshpuram, Snehnagar,
(33) Name of priority country	:NA	2163 Sadashiv Peth, Pune 411030, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	2)Rahul Shrirang Babar
(87) International Publication No	: NA	3)Gopikrishna KVS
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Navin Naresh Singh
(62) Divisional to Application Number	:NA	2)Rahul Shrirang Babar
Filing Date	:NA	3)Gopikrishna KVS

### (57) Abstract:

An efficient effluent treatment system founded on biological treatment principles for pollution control is disclosed herein, the implementation of which is significantly cost-effective and aids maintaining aesthetics of the user environment.



No. of Pages: 25 No. of Claims: 13

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A PLANT AND PROCESS FOR MANUFACTURING FISH LIQUID FROM THE FISH.

<ul> <li>(51) International classification</li> <li>(31) 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>	:A23C 9/133 :NA :NA :NA :NA	(71)Name of Applicant:  1)PRADIP PANDHARINATH BHOLE  Address of Applicant:366, MAIN ROAD, AT POST - ASODA, TAL & DIST. JALGAON - 425101,  MAHARASHTRA, INDIA. Maharashtra India  2)PRASHANT BASKAR BANAIT  (72)Name of Inventor:
(87) International Publication No	: NA	1)PRADIP PANDHARINATH BHOLE
(61) Patent of Addition to Application Number	:NA	2)PRASHANT BASKAR BANAIT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a plant and process for manufacturing fish water comprises a mixing steel tank(2) equipped with a stirrer having a hopper(1) on top for feeding chopped fish pieces having an outlet for taking out treated chopped fish. A separation tank,(3) having an inlet connected to the outlet of said stainless steel tank(2), provided with sloping grill to separate and slide solid substance towards outlet of separator tank. A segregator unit,(5) to receive solid substance from the said outlet of separator tank(3), provided with pair of toothed wheel at distance rotating in opposite direction to segregate soft substance and hard substance consisting of hard fish bone residue from the said solid materials. A material tank (9) to the said soft substance from one outlet. A hard fish bone holder tank (6) to receive hard fish bone receive residues from the second outlet of the said segregator tank. A filter tank (4A) provided to receive the fish liquid from the separator tank out let. A homogenizing tank (10) provided with stirrer to receive filtered fish liquid from the outlet of the said filter tank(4A) and the said material holding tank(9). A pulverizing unit (7) to receive said hard fish bone residue from the said hard fish bone holder tank for grinding with water. A solution tank (8) provided with stirrer to receive the said pulverized bone residue. An out let of said solution tank (8) connected to the said homogenizing tank (10) for transferring the said pulverized bone residue mixed with water. And a filling line (12) with number of outlet with valve means provided for collecting fish liquid. Reference figure 1

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: OPERATING MECHANISM FOR SECONDARY ISOLATING CONTACTS OF CIRCUIT BREAKER.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H01H71/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: LARSEN & TOUBRO LIMITED L&T  HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400  001, INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)NILOY KHATUA
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed is an operating mechanism (150) for secondary isolating contacts (SIC) of a circuit breaker (200). The operating mechanism (150) comprises a male secondary isolating contacts block (104), a female secondary isolating contacts block (108), a pair of first brackets (112), a second bracket (116), an upper bracket (120), a lower bracket (124), a pair of guiding pins (128), a pair of first springs (132), a pair of second springs (136) and a pair of circlips (140). The operating mechanism (150) ensures proper engagement of the SIC at a test position and a service position and helps to accommodate higher numbers of contacts by using small SIC blocks (104, 108) and making separate alignment arrangements for the SIC. Figure 3

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

(21) Application No.926/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: RACK ASSEMBLY FOR ROTARY CIRCUIT BREAKERS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H01H33/02 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)LARSEN & TOUBRO LIMITED Address of Applicant: LARSEN & TOUBRO LIMITED L&T HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400 001, INDIA Maharashtra India (72)Name of Inventor: 1)ANITYA VAIBHAV
<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)ANITYA VAIBHAV 2)PRAKEET I SINGH

## (57) Abstract:

The present invention provides a stored energy motor operating mechanism (150) for rotary molded case circuit breakers. The stored energy operating mechanism (150) comprises a base (10), a motor (20), a drive shaft (30), a first pinion (40), a second pinion (50), a multi level rack (60), a spring (70), a pair of support plates (80), a d-shaft assembly (90), a solenoid (100) and a latching arrangement. The multi level rack (60) ensures transfer of the rotary motion at 90 degree.

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

(22) Date of filing of Application :26/02/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : DETERMINATION OF WITHAFERIN A IN RAT PLASMA BY HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY(HPTLC) METHOD.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	A61P35/00 :NA :NA :NA	(71)Name of Applicant: 1)NANCY PANDITA SCHOOL OF SCIENCE, SVKM'S NMIMS DEEMED-TO-BE UNIVERSITY Address of Applicant: SCHOOL OF SCIENCE SVKM'S NMIMS DEEMED-TO-BE UNIVERSITY V. L. MEHTA
(86) International Application No	:NA	ROAD, VILE PARLE (WEST), MUMBAI-400 056,
Filing Date	:NA	MAHARASHTRA, INDIA. Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NANCY PANDITA
Filing Date	:NA	2)SWETA JHA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention describes quantitative determination of withaferin A from Rat plasma by High Performance Thin Layer Chromatographic Method. HPTLC is most widely used at industrial level for routine analysis of herbal medicines. Moreover HPTLC is user friendly and cost effective. We have tried to use such technique for determination of plant constituent from biological sample i:e blood after oral administration. The object of the present invention is to provide a novel method for determination of withaferin A from Rat plasma by using HPTLC method. We found that the adopted high performance thin layer chromatographic (HPTLC) method is capable of evaluating withaferin A in plasma after extraction. The method could be used to carry out pharmacokinetic studies of the withering A.

### Determination of withaferin A from plasma samples using HPTLC method

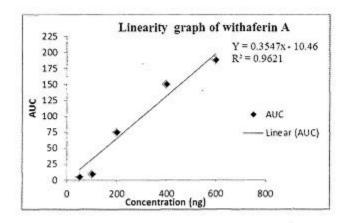


Figure 1: linearity graph for withaferin A

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

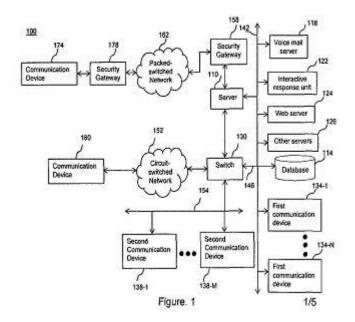
(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR RECORDING CALLS IN A WEBRTC CONTACT CENTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</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>	:U.S.A. :NA :NA : NA	(71)Name of Applicant: 1)AVAYA, INC Address of Applicant:211, MOUNT AIRY ROAD, BASKING RIDGE, NEW JERSEY 07920, USA. U.S.A. (72)Name of Inventor: 1)NEIL O'CONNOR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A call recording system for recording WebRTC calls between a user and an agent of an enterprise is provided. The call recording system includes a monitor module for monitoring and detecting at least one request to establish WebRTC call with an agent of the enterprise. The call recording system includes a fork module for forking media streams associated with the at least one WebRTC call. The call recording system further includes a record module for recording the forked media streams to record the at least one WebRTC call. The call recording system further includes a barge module for enabling a supervisor to barge into the at least one WebRTC call.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.870/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PRIVACY MEASUREMENT AND QUANTIFICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 :PCT// :01/01/1900 : 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)UKIL Arijit 2)BANDYOPADHYAY, Soma 3)PAL, Arapn
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

System(s) and method(s) to provide privacy measurement and privacy quantification of sensor data are disclosed. The sensor data is received from a sensor. The private content associated with the sensor data is used to calculate a privacy measuring factor by using entropy based information theoretic model. A compensation value with respect to distribution dissimilarity is determined. The compensation value compensates a statistical deviation in the privacy measuring factor. The compensation value and the privacy measuring factor are used to determine a privacy quantification factor. The privacy quantification factor is scaled with respect to a predefined finite scale to obtain at least one scaled privacy quantification factor to provide quantification of privacy of the sensor data.

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PARALLELIZING GRID SEARCH METHOD FACILITATING DETERMINATION OF PK-PD PARAMETERS

(51) International classification	:G06F9/45	(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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AGRAWAL, Nishant Kumar
(87) International Publication No	: NA	2)NARAYANAN, R
(61) Patent of Addition to Application Number	:NA	3)NAMBIAR, Manoj Karunakaran
Filing Date	:NA	4)ABDULRAZAK, Rihab
(62) Divisional to Application Number	:NA	5)PANDEY, Ambuj
Filing Date	:NA	6)DAS, Shyam Sundar

#### (57) Abstract:

Disclosed is a system and method for parallelizing grid search technique facilitating determination of PK-PD parameters. The method may comprise determining number of grids. The method may further comprise creating grid points based upon the number of grids (N) and a number of parameters (p). The method may further comprise distributing the grid points amongst number of threads. The method may further comprise evaluating an objective function value corresponding to each grid point in order to compute an objective function value associated with each of the grid points. Further, the method may comprise identifying a grid point having minimum objective function value. The grid point having the least objective function value may indicate the estimated initial PK-PD parameters.

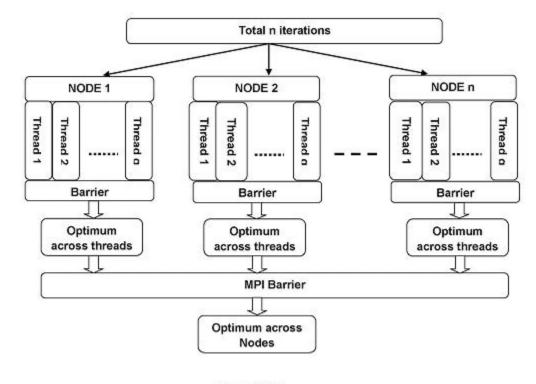


Figure 6 (b)

No. of Pages: 40 No. of Claims: 12

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: NATURAL FINISH FABRIC

(51) International classification	:D06M16/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Welspun India Limited.
(32) Priority Date	:NA	Address of Applicant :Welspun House, 6th Floor, Kamala
(33) Name of priority country	:NA	City, Senapati Bapat Marg, Lower Parel, Mumbai 4000 13
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dipali Goenka
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention discloses a method for producing environment friendly fabric and textile products without use of chemicals. The finishing process includes the following steps: (a) singeing, (b) enzyme desizing, (c) water washing, (d) peaching, (e) stentering, and (f) sanforizing. The finishing process is purely a physical process, and does not make use of any chemicals. The finishing process is environment-friendly.

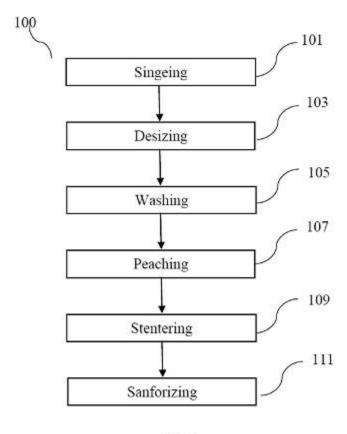


FIG. 1

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A SYSTEM AND METHOD FOR DETECTING SENSITIVITY CONTENT IN TIME-SERIES DATA

(51) International classification	·G06F15/18	(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 400021, Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)UKIL, Arijit
(87) International Publication No	: NA	2)BANDYOPADHYAY, Soma
(61) Patent of Addition to Application Number	:NA	3)PAL, Arpan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system and method for detecting sensitivity content in time-series data is disclosed. The method comprises receiving the time-series data from a source. The data is received for one or more instances. The method further comprises detecting the sensitivity content in the time-series data. The sensitivity content indicates presence of an anomaly. The detecting comprises determining a kurtosis value corresponding to the time-series data. The detecting further comprises comparing the kurtosis value with a reference value. The detecting further comprises processing the data using a first filtering means or a second filtering means. The first filtering means is used when the data distribution of the time-series data is either of a platykurtic distribution or a mesokurtic distribution. The second filtering means is used when the data distribution of the time-series data is a leptokurtic distribution.

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: ACTIVE ARCHIVING OF DATA ON A DISTRIBUTED FILE SYSTEM

(51) International classification		(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)KUTTAN, Binesh
(87) International Publication No	: NA	2)JACOB, Vivek
(61) Patent of Addition to Application Number	:NA	3)VARGHESE, Abraham
Filing Date	:NA	4)JOHN, Thomas Jeby
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT ACTIVE ARCHIVING OF DATA ON A DISTRIBUTED FILE SYSTEM Systems and methods for active archiving of data onto a distributed file system are described. A data archiving system may implement archiving method, where the method includes receiving a request from an authenticated user to archive the data on to the distributed file system, wherein the data to be archived is located at a data source and transferring the data to be archived onto the distributed file system based on a distributed file transfer mechanism, wherein the data is one of a structured data and an unstructured data. The method further includes loading the data to be archived onto the distributed file system based on Hbase bulk load mechanism. The method also includes indexing the data loaded onto the distributed file system to generate at least one indices corresponding to the data, wherein the indexing comprises segmenting of data into plurality of index segments. <To be published with Figure 2>

No. of Pages: 35 No. of Claims: 16

(22) Date of filing of Application :21/03/2014

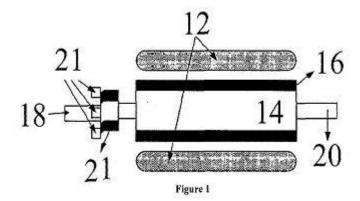
(43) Publication Date: 25/09/2015

# (54) Title of the invention : A SENSOR ARRANGEMENT FOR HIGH RESOLUTION POSITION SENSING IN CLOSED LOOP MOTOR CONTROL.

	JIOAN	(71) Name of Applicant
(51) International classification	7/14	(71)Name of Applicant: 1)CROMPTON GREAVES LIMITED
(31) Priority Document No	:NA	Address of Applicant :CROMPTON GREAVES LIMITED,
(32) Priority Date	:NA	CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD,
(33) Name of priority country	:NA	WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BALAKRISHNAN MANU
(61) Patent of Addition to Application Number	:NA	2)UPADHAYAY PRANSHU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A sensor arrangement for high resolution position sensing in closed loop motor control for a motor, said motor comprising a main set of sensors consisting of a first main sensor, a second main sensor, and a third main sensor, each of said main sensors being spaced apart 120° electrically from each other, said sensor arrangement further comprises: at least a first level of auxiliary set of sensors consisting of at least three sensors including a first level first auxiliary sensor, a first level second auxiliary sensor, a first level third auxiliary sensor, each of said auxiliary sensors per level being displaced in a pre-determined manner with respect to a corresponding main sensor.



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

(21) Application No.916/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: PHARMACEUTICAL 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/5365, C07D498/14 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)CIPLA LIMITED Address of Applicant: Mumbai Central, Mumbai 400 008, Maharashtra, India. Maharashtra India (72)Name of Inventor: 1)MALHOTRA, Geena 2)RAUT, Preeti
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### (57) Abstract:

The present invention relates to a pharmaceutical composition comprising an integrase inhibitor, and more particularly, relates to a pharmaceutical composition comprising dolutegravir, a process for preparing such pharmaceutical composition, and its use in the treatment of HIV infections.

No. of Pages: 28 No. of Claims: 21

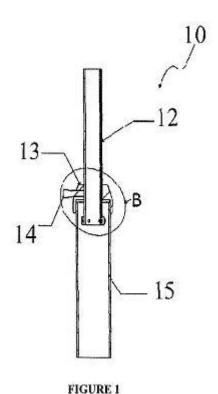
(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A LOCKING MECHANISM FOR TELESCOPIC PIPES' ASSEMBLY.

(51) International classification		(71)Name of Applicant:
(21) Primits Dominant No	1/02	1)CROMPTON GREAVES LIMITED
(31) Priority Document No	:NA	Address of Applicant :CROMPTON GREAVES LIMITED,
(32) Priority Date	:NA	CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD,
(33) Name of priority country	:NA	WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VOLVOIKER VISHAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A locking mechanism for telescopic pipes assembly, said locking mechanism adapted to be ensconced within a collate element, said assembly comprising: a substantially annular ring element with a radial opening and with a corresponding substantially annular slot at its operative bottom surface; a substantially annular retracting resilient means adapted to be fitted within said substantially annular slot of said substantially annular ring element, said substantially annular retracting resilient means adapted to act in a radial manner, characterized in that, said substantially annular retracting resilient means resiliency acting on ends that form said radial opening; a substantially annular disc element with a radial opening corresponding to said radial opening of said substantially annular ring element, said substantially annular disc element adapted to match said operative bottom side of said substantially annular ring element, wherein, said substantially annular disc element further comprising a plurality of boll holding slots; balls fitted in said ball holding slots.



No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: EMAIL ANALYTICS

(51) International classification	:G06F15/16	(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)DEY, Lipika
(87) International Publication No	: NA	2)SHROFF, Gautam
(61) Patent of Addition to Application Number	:NA	3)SINGH, Somya
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

### (57) Abstract:

A method for performing email analytics is described. The method includes extracting emails from the configured email repository. The emails are then grouped into mail groups based on identification of content similarity of the emails. A network graph is then constructed for each of the mail group to identify an association of emails in the mail group based on header-level analysis of emails. Thereafter, email analytics is performed on the mail groups by clustering the mail groups into mail clusters based on temporal progression of emails in the mail groups. Key phrases are then determined based on a content analysis of emails in the mail groups in the mail clusters. The key phrases are then associated with the network graphs of the mail groups.

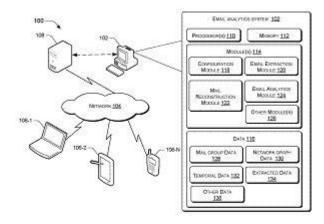


Fig. 1a

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3589/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/11/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : BIOGAS GENERATING PLANT WITH TUNNEL FERMENTATION CHAMBER AND INSTALLATIONS TO PRODUCE AND UTILISE BIOGAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12M1/107 :12461557.6 :19/11/2012 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant:  1)Fotyga Ryszard Aleksander    Address of Applicant: Podlesna 25/1, 80-255 Gdansk, Poland. Poland (72)Name of Inventor:  1)Fotyga Ryszard Aleksander
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The object of the invention is a biogas generator with tunnel fermentation chamber, equipped with biomass container with thermally insulated base and essentially vertical foundation walls, installations for moisturising biomass with a process liquid, installations for recirculation of seepage water, arch roof covering spread over arch load-bearing construction and supported on essentially vertical foundation walls, gas-tight gable walls, and biogas store created by at least double layer of roof covering foil with inlet to biogas store situated in upper part of fermentation chamber, characterised in that two layers of foil, upper (3a) and lower (3b), forming the biogas store (3c), and the carbon dioxide store (3e), are secured on opposite sides of rigid arch roof covering load bearing construction, the lower foil (3b) has, at approx. 1/4 of the height of arch load-bearing construction, gas slots (29), and a duct fan (8) forcing circulation of biogas to the biogas store (3c) is connected into the inlet channel, wherein lower edges (5) of roof covering are supported on upper part of essentially vertical foundation walls (1) of the biomass container, while the installations for moisturising biomass with process liquid have moisturising nozzles (7a), placed in the biomass loading zone and variable heights, depending on the height of the biomass loading zone, preferably in intermediate zone (1b), and furthermore in the biomass loading zone there is a channel (2) for pulp, preferably created by a perforated barrier (4) supported on the base of biomass container or constituting a perforated pipe, suspended, supported or resting freely in a biomass layer. The invention also includes installation duct fan to produce and utilise biogas, comprising a tunnel fermentation chamber, constituting a space inside a biogas generator with a convex roof covering spread over an arch load-bearing structure, a gas store formed by at least two layers of roof covering foil with an inlet to the gas store situated in the upper part of the fermentation chamber, installations for moisturising biomass with a process liquid, installations for recirculation of seepage water, a cogeneration system powered by biogas supplied through a gas pipeline from the biogas store and an automated system for controlling the process of production and utilisation of biogas, characterised in that two layers of foil, upper (3a) and lower (3b), forming the biogas store (3c), and the carbon dioxide store (3e), are secured on opposite sides of the rigid arch roof covering load-bearing construction, the lower foil (3b) has gas slots (29) at approx. 1/4 of the height of the arch load-bearing construction, and a duct fan (8) forcing circulation of biogas to biogas store (3c) is connected into the inlet channel, wherein lower edges (5) of roof covering are supported on upper part of essentially vertical foundation walls (1) of the biomass container, while the installations for moisturising biomass with process liquid have moisturising nozzles (7a), placed in the biomass loading zone and variable heights, depending on the height of the biomass loading zone, preferably in intermediate zone (1b), and furthermore in the biomass loading zone there is a channel (2) for pulp, preferably created by a perforated barrier (4) supported on the base of biomass container or constituting a perforated pipe, suspended, supported or resting freely in a biomass layer, supplied with pulp through an internal pipeline (6) situated in the channel (2) for pulp, wherein the installations for recirculation of seepage water include a non-membrane heat and mass exchanger connected with through a seepage water pipeline (20) with the biomass container and a return pipeline (22) with installations for moisturising biomass with a process liquid, and wherein the non-diaphragm heat and mass exchanger has a permanent mass (15) of a high heat capacity, through which seepage water is passed in the opposite direction to exhaust gases supplied to the permanent mass by an exhaust conduit (19) from the cogeneration system. Figure 2 is the representative figure.

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

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR FOOD PROCESSING AND PRESERVATION TO IMPROVE STORABILITY OF FOOD GRAINS.

(51) International classification (31) Priority Document No	:A21D13/00, A23L3/3463 :NA :NA	Address of Applicant :INDIAN INSTITUTE OF
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA :NA	TECHNOLOGY, BOMBAY, POWAI, MUMBAI-400 076, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)IPSITA DAS 2)GIRISH KUMAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)N G SHAH
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention proposes a method for processing and improving storability of nuts, comprising the steps of heating said nuts in a microwave oven on a predetermined power level in the range of 240 Watt to 480 Watt for a predetermined exposure time in the range of 30sec to 240sec.

No. of Pages: 25 No. of Claims: 22

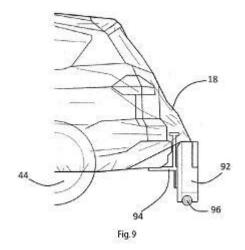
(22) Date of filing of Application :20/02/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: RETRACTABLE COVERING 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>	:B60J7/02 :US13787149 :06/03/2013 :U.S.A. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Julis F. Kaya Address of Applicant:577, Lansdowne Ave., Montreal, Qubec H3Y 2V5, Canada Canada 2)Evgeniya Rybkina (72)Name of Inventor: 1)Julis F. Kaya 2)Evgeniya Rybkina
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#### (57) Abstract:

There is provided a retractable covering device comprising a sheet for covering an object comprising sleeves for receiving cords, a plurality of cords having proximal ends secured to spools and distal ends secured to the sheet, a retraction device that can use a clutching system having a rotating member for winding the cords onto spools to retract the sheet and unwinding the cords from the spools to extract the sheet, wherein at least two sleeves are oriented essentially longitudinally in a proximal portion of the sheet and essentially in a medial lateral orientation in a distal portion of the sheet to prevent a lateral accumulation of the sheet at the retraction device during retraction. The spools can be fitted with one or more tangle prevention members (spool covers) to prevent tangling of cords during use of the retraction device.



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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR WEB / PORTAL APPLICATIONS

(51) International Area ("anti-area	C06E17/20	(71)N 6 A P 4
(51) International classification	:G06F1//30	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LTD
(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	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KOLWALKAR Deepa Balkrishna
(87) International Publication No	: NA	2)BINZANI Kanika
(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 discloses a system and method for a web portal application. Typically, a page body of a web portal page is divided into portlets, but, the system of present disclosure allows further division of portlets into portlet fragments. The system allows simultaneous, asynchronous and independent rendering/refreshing of components of a portal page and also allows user/role based access to these components. The system includes an automated template based complex json/xml payload generator, an entitlement checker to check if a user is entitled to pages/portlets/fragments, finest level of fields and backend processes, an automated web-client validator, automated switch-based environment specific configurator, a master-data renderer, ready-to-use functions for handling dependent master data rendering on client.

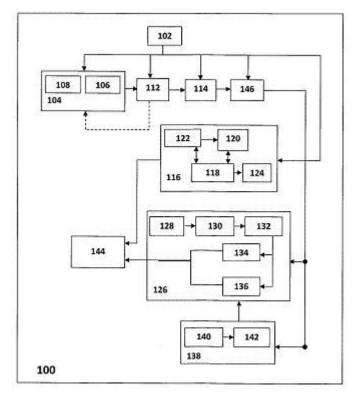


FIGURE 1

No. of Pages: 36 No. of Claims: 20

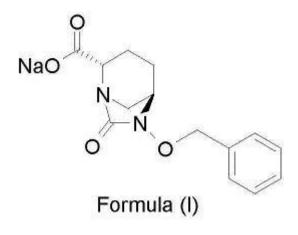
(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# $(54)\ Title\ of\ the\ invention: A\ PROCESS\ FOR\ PREPARATION\ OF\ SODIUM\ (2S,\ 5R)-6-(BENZYLOXY)-7-OXO-1,6-DIAZABICYCLO[3.2.1]OCTANE-2-CARBOXYLATE$

(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 (10) Patent of Application Number Filing Date (11) CO7D211/6 (12) CO7D211/6 (13) CO7D211/6 (14) CO7D211/6 (15) CO7D211/6 (16) CO7D211/6 (16) CO7D211/6 (17) CO	1 DWOCKHARDT LIMITED
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# (57) Abstract:

A process for preparation of compound of Formula (I) is disclosed.



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

(21) Application No.918/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : REPOSITORY AND RECOMMENDATION SYSTEM FOR COMPUTER IMPLEMENTED FUNCTIONS

(51) International classification	:G06F7/00, G06F17/30	(71)Name of Applicant: 1)TATA CONSULTANCY SERVICES LIMITED
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai, Maharashtra 400021, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MAITI, Santa
Filing Date	:NA	2)BARIK, Biswanath
(87) International Publication No	: NA	3)PAL, Arindam
(61) Patent of Addition to Application Number	:NA	4)DASGUPTA, Ranjan
Filing Date	:NA	5)PAL, Arpan
(62) Divisional to Application Number	:NA	6)BASU, Anupam
Filing Date	:NA	

#### (57) Abstract:

A CIF recommendation system (102) comprises a processor (202) and a CIF registration module (112) coupled to a processor (202) to store a plurality of algorithms and corresponding executable codes in a CIF repository (108). The algorithms are stored in a searchable text format. The executable codes include one or more executable codes implementable in one or more programming environments. The algorithms are associated with a CIF concept. A recommendation module (212) coupled to the processor (202) analyzes a search query received from a user to determine search metadata and identifies one or more algorithms from among the plurality of algorithms and the corresponding executable codes matching the search query based on the search metadata. The recommendation module (212) provides a CIF recommendation list having the one or more algorithms and the corresponding executable codes in a predefined order to the user based on one or more ranking parameters.

No. of Pages: 38 No. of Claims: 18

(22) Date of filing of Application :26/02/2014

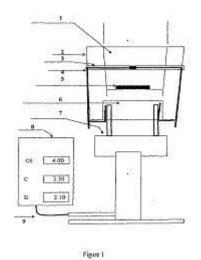
(43) Publication Date: 25/09/2015

# (54) Title of the invention : AN APPARATUS AND METHOD FOR DETERMINING THE PERCENTAGE OF CARBON EQUIVALENT, CARBON AND SILICON IN LIQUID FERROUS METAL

(51) International classification	:H04N7/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANANT KASHINATH KAKATKAR
(32) Priority Date	:NA	Address of Applicant :BOTH AT: S. NO. 676, POOJA
(33) Name of priority country	:NA	APARTMENT, GRUHKALP SOCIETY, NEAR SUGANDHA
(86) International Application No	:NA	LAWN, BIBWEWADI, PUNE - 411037, MAHARASHTRA,
Filing Date	:NA	INDIA. Maharashtra India
(87) International Publication No	: NA	2)SATISH SHASHIKANT KELKAR
(61) Patent of Addition to Application Number	:1584/MUM/2006	(72)Name of Inventor:
Filed on	:29/09/2006	1)ANANT KASHINATH KAKATKAR
(62) Divisional to Application Number	:NA	2)SATISH SHASHIKANT KELKAR
Filing Date	:NA	

### (57) Abstract:

According to the present invention for thermal analysis of a liquid ferrous metal, there is provided an apparatus and method for determining the concentration of a constituent in a liquid ferrous metal. More particularly the present invention provides the method and apparatus for determination of percentage of Carbon, Silicon and Carbon equivalent using electronic device.



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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : STABILIZED INORGANIC OXIDE SUPPORTS AND ADSORBENTS DERIVED THEREFROM FOR CARBON DIOXIDE CAPTURE

		(71)Name of Applicant :
(51) International classification	:B01D15/08, B01J39/16	
(31) Priority Document No	:NA	Nariman Point, Mumbai-400021, Maharashtra, India Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)REDDY Akuri Satyanarayana
Filing Date	:NA	2)SENGUPTA Surajit
(87) International Publication No	: NA	3)DONGARA Rajeshwer
(61) Patent of Addition to Application Number	:NA	4)DAS Asit Kumar
Filing Date	:NA	5)AMTE Vinay
(62) Divisional to Application Number	:NA	6)YADAV Ashwani
Filing Date	:NA	7)BAJPAI Promod Kumar
-		8)Bhunia Haripada

### (57) Abstract:

The present invention relates to a stabilized inorganic oxide support for capturing carbon dioxide from gases having high regeneration capacities over many cycles. The method for preparing the stabilized inorganic oxide support includes stabilizing an aluminacontaining precursor by either calcining or steaming, impregnating an alkali or alkaline earth compound into the stabilized alumina- and drying the alkali or alkaline earth compound-impregnated stabilized alumina-. The stabilized inorganic oxide support can be regenerated at lower temperatures between 100 and 150 °C. The carbon dioxide adsorption capacity of the regenerated support is between 70 and 90 % of the theoretical carbon dioxide adsorption capacity.

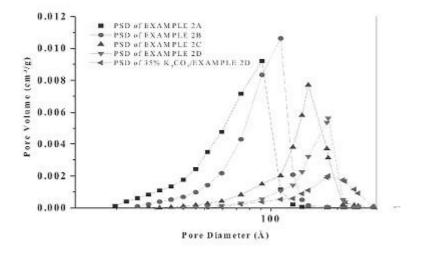


FIGURE 1

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CAM-RATCHET ASSEMBLY FOR MOULDED CASE 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</li> </ul>	:H02H 7/22 :NA :NA :NA :NA	(71)Name of Applicant: 1)LARSEN & TOUBRO LIMITED Address of Applicant: LARSEN & TOUBRO LIMITED L&T HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400 001, INDIA Maharashtra India (72)Name of Inventor:
Filing Date	:NA	1)ANITYA VAIBHAV
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)PRAKEET I SINGH 3)AMEYA CHAUGHULE
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
rining Date	:NA	

### (57) Abstract:

The present invention provides a stored energy motor operating mechanism (150) for switching device operations. The stored energy operating mechanism (150) comprises a motor (10), a drive shaft (20), a pinion (30), a gearing system (50), a rack (60), a spring (70), a pair of support plates (80), a d-shaft assembly (90), a solenoid (100), a latching arrangement and a toggle switch (120). The latching arrangement includes a cam ratchet (104) that acts as a natural retarder to the switching device, so that the excess energy is used in collisions between the cam ratchet (104) and a latch (108) to facilitate dissipation of the energy.

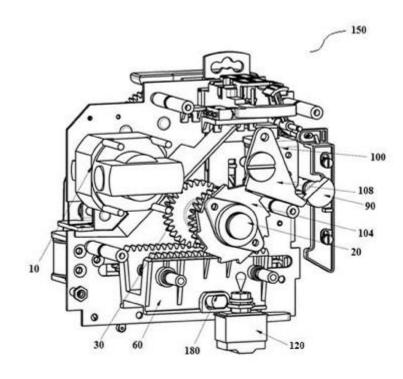


Figure 1

No. of Pages: 17 No. of Claims: 2

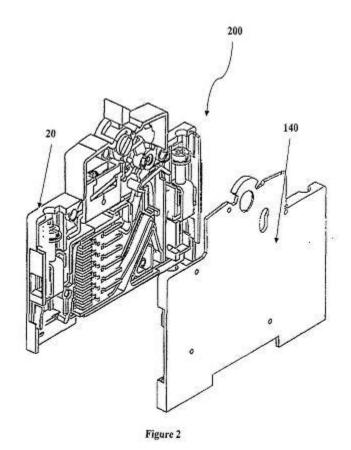
(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HALF MODULE MINIATURE 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</li> </ul>	37/54 :NA :NA :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: LARSEN & TOUBRO LIMITED L&T  HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400  001, INDIA Maharashtra India  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)SANDHYA CHANDRAN 2)SUKUMAR SUBASH 3)VENKATACHALAM SUBRAMANIAN
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

#### (57) Abstract:

Disclosed is a half module miniature circuit breaker for switchgear devices/ distribution boards. The half module miniature circuit breaker comprises a housing, an operating mechanism, an electromagnetic release mechanism, an arc chamber, a thermal release mechanism, a terminal with a box clamp and screw assembly and a cover that are constructed and positioned in such a way to be easily installed inside the distribution boards with minimum space utilization. The half module miniature circuit breaker results in an improved performance as compared to the single module circuit breaker.



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

(22) Date of filing of Application :04/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention : A GEL PRECIPITATION METHODOLOGY FOR SYNTHESIS OF SUB-MICRON MESOPOROUS MIXED OXIDES FOR BATTERY APPLICATION

	DOLL	
(51) International classification		(71)Name of Applicant:
	8/24	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(31) Priority Document No	:NA	Address of Applicant :INDIAN INSTITUTE OF
(32) Priority Date	:NA	TECHNOLOGY BOMBAY, POWAI MUMBAI 400076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)APOORV A. SHALIGRAM
(87) International Publication No	: NA	2)SAGAR MITRA
(61) Patent of Addition to Application Number	:NA	3)SUDEEP SARKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of gel precipitation for the synthesis of ultrafine particles of sub-micron mesoporous mixed oxides to be used as positive electrode material for battery applications. The methodology for the synthesis of the mixed oxides essentially consists of the steps namely sol formation, gelation, water removal step and calcination for final phase formation. The cycle life performance of a half cell made with oxides of the above method has a retention capacity of above 80 % of the first discharge value for 602 cycles making it a highly efficient one.

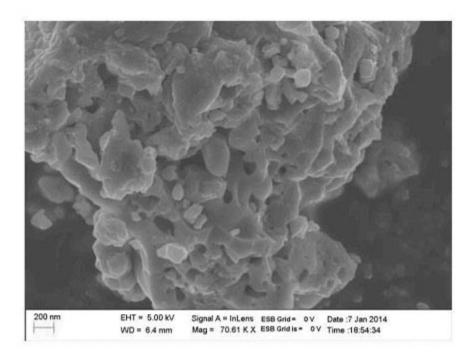


FIGURE 1

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A SAFETY SHROUD FOR A SWITCH BOARD

(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 (51) Patent of Addition to Application Number Filing Date (62) Divisional to Application  (71) Name of Applicant:  (1) LARSEN & TOUBRO LIMITED  Address of Applicant: L & T House, Ballard Filing Maharashtra, India Maharashtra  (72) Name of Inventor:  (72) Name of Inventor:  (72) Name of Inventor:  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Inventor:  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Inventor:  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Inventor:  (72) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Inventor:  (73) Name of Applicant: L & T House, Ballard Filing Maharashtra  (74) Name of Applicant: L & T House, Ballard Filing Maharashtra  (72) Name of Inventor:  (73) Name of Inventor:  (74) Name of Applicant: L & T House, Ballard Filing Maharashtra  (74) Name of Inventor:  (75) Name of Inventor:  (76) Name of Inventor:  (77) Name of Applicant: L & T House, Ballard Filing Maharashtra  (78) Name of Inventor:  (79) Name of Inventor:  (79) Name of Inventor:  (79) Name of Inventor:  (70) Name of Inventor:  (71) Name of Inventor:  (72) Name of Inventor:  (73) Name of Inventor:  (74) Name of Inventor:  (74) Name of Inventor:  (75) Name	
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### (57) Abstract:

Disclosed is a safety shroud for the purpose of covering at least one empty opening in a switch board. The safety shroud comprises of a curved surface and two or more grips. The curved surface is always facing convex towards the at least one empty opening in the switch board. The two or more grip elements allow the safety shroud to be firmly held between the two fingers of one hand.

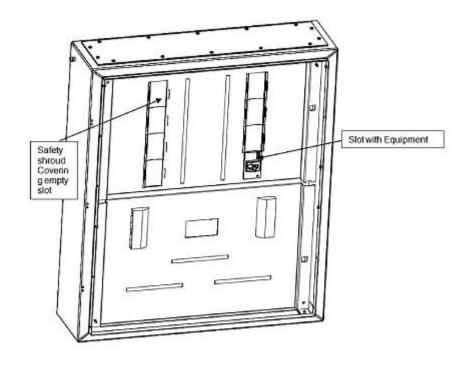


Figure 3

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

(22) Date of filing of Application :15/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention : DIS-ENTANGLED ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE PRODUCT THAT SINKS IN WATER AND PROCESS FOR PREPARING 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>	:C08F10/02, C08F4/648 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd Floor, Maker Chamber-IV 222, Nariman Point, Mumbai-400021, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)GANDHAM SATYA SRINIVASA RAO  2)MATHUR AJIT BEHARI 3)SATPATHY UMA SANKAR 4)MEHTA GAURANG MANILAL 5)PATEL NANUBHAI FULJIBHAI 6)SARMA KRISHNA RENGANATH 7)JASRA RAKSH VIR
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### (57) Abstract:

A process for preparing a disentangled ultra-high molecular weight polyethylene product having a density not less than 1 g/cc is provided. The polyethylene product is prepared in the form of a sheet or a block by solid state compaction by a low flow process such as compression molding exhibiting a density not less than 1 g/cc. The product formed can further be hot stretched below the melting range of the polymeric material, to form films, tapes or fibers. The stretched films, tapes and fibers obtained have a high crystallization temperature and superior thermal properties with high strength and modulus, suitable for ballistic applications.

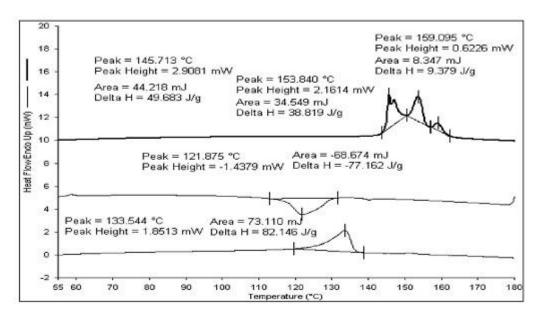


FIGURE 1

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HINGE FOR A CONTAINER

	·F05D1/06	(71)Name of Applicant:
(51) International classification	A61G11/00,	` '
	B65D43/16	LIMITED
(31) Priority Document No	:NA	Address of Applicant :Plot No.T-187, Pimpri Industrial Area
(32) Priority Date	:NA	(B.G. Block), Behind Bhosari Police Station, Bhosari, Pune, MH
(33) Name of priority country	:NA	411026 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHAH,SANJEET
(87) International Publication 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 hinge for a container. The container includes a receptacle with a cover movable from a closed position to an opened position by pivoting around a pivoting axis defined by the hinge. The receptacle includes an inner surface defining an inner volume and an opening. The cover includes an outer surface and an inner surface opposite to the outer surface. The hinge is having an at least one arm extending from the inner surface of the receptacle toward the cover. Each of the arms is having at least one arc-shaped projection and arc-shaped recess. The arc-shaped projection and recess are extending around the pivoting axis and centered on the pivoting axis, and wherein, the arc-shaped projection of the arm is movably arranged within the arc-shaped recess of the other the one arm to configure a hinge therebetween.

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

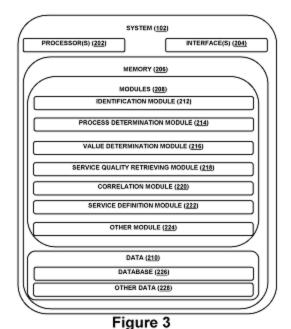
(22) Date of filing of Application :27/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR SERVICES DESIGN USING VALUE AND QUALITY AS UNDERLYING THEME

(51) International classification	:G07G1/00	(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 400021, Maharashtra, India Maharashtra India
		<del>-</del>
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KUMAR, Anand
(87) International Publication No	: NA	2)LOKKU, Doji Samson
(61) Patent of Addition to Application Number	:NA	3)ZOPE, Nikhil Ravindranath
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a system for designing one or more services delivering value to one or more stakeholders. The identification module may identify one or more stakeholders associated with a service. The process determination module determines one or more existing processes implemented by the one or more stakeholders for creating a value associated to the service. The value determination module determines a list of values pertaining to the service. The service quality retrieving module retrieve a plurality of service qualities and a plurality of process qualities from a service quality master list and a process quality master list respectively. The correlation module correlates each value, present in the list of values, with the plurality of service qualities in order to identify one or more service qualities of the plurality of service qualities. The service definition module defines a service breakdown structure and a process breakdown structure associated with the service.



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

(22) Date of filing of Application :05/03/2014

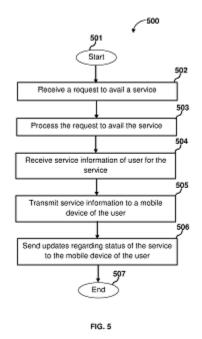
(43) Publication Date: 25/09/2015

## (54) Title of the invention : METHOD AND SYSTEM FOR MANAGING APPOINTMENTS OF PATIENTS IN A HEALTH CARE CENTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B 5/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)PHADKE, AMEYA MADHAV Address of Applicant: Flat No. 601, 602, Shivsagar City-Phase I, Near Santosh Hall, Sun city Main Road, Wadgaon Budruk, Pune 411041 Maharashtra India (72)Name of Inventor: 1)PHADKE, AMEYA MADHAV
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#### (57) Abstract:

A method and system for managing user requests in service centers is disclosed. The system includes a transceiver, a storage module and one or more processors. The transceiver is configured to receive a request to avail a service from the service center, receive service information of a user of the plurality of the users, transmit the service information to a mobile device of the service of the plurality of the service and send updates regarding status of the service to the mobile device of the user of the plurality of the users. The storage module is configured to store the service information of the plurality of the users. The one or more processors are configured to verify a request to book the service; and process the request to book the service.



No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MOVING MECHANISM FOR BATTERY PROCESSING

<ul> <li>(51) International classification</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>	H01M10/04 :102222701	
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A moving mechanism for battery processing includes a base; a first displacement seat movable in a first direction and movably mounted on the base; a second displacement seat movable in a second direction perpendicular to the first direction and movably mounted on the first displacement seat; a first driving mechanism for driving the first displacement seat to move; a second displacement seat for driving the second displacement seat to move; and a connection rod assembly having one end fixed to the second displacement seat and the other end passing through the first displacement seat and the base and connected to a processing apparatus, which can move in the first and second directions in conjunction with the first and second driving mechanisms. Thus, the processing apparatus can move in two different directions in conjunction with the first and second moving mechanisms.

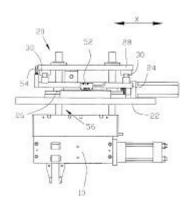


Fig. 1

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

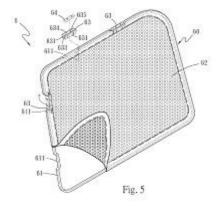
(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SUNSHADE HOLDING 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> </ul>	:B60J3/00 :102215170 :13/08/2013 :Argentina :NA :NA :NA :NA	, - , - , - , - , , , , , , , , , , , ,
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A sunshade holding structure comprises a flexible frame (61), a sunshade cloth (62) and at least one positioning member (63). The flexible frame (61) has at least one notch (611) on the circumference thereof. The sunshade cloth (62) covers the flexible frame (61) to form a sunshade (60). The positioning member (63) has two flanges (631) extended towards the sunshade (60), a latch groove (633) formed between the flanges (631) to latch on the notch (611) of the flexible frame (61), and a housing compartment (634) opposite to the latch groove (633) to hold a magnetic element (64). The positioning member (63) is latched on one side of the notch (611) of the flexible frame (61) and turned to align with the circumference of the flexible frame (61) so that the positioning member (63) can be held securely on the flexible frame (61). Moreover, the magnetic element (64) of the positioning member (63) also attracts the inner side of a vehicle window frame (7) to form secure positioning. Installation and disassembly also can be done quickly.



No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :10/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SYNTHESIS OF POLYETHER SULFONE AND MIXTURE OF SIO2 AND AL2O3 NANOCOMPOSITES

(51) International classification	:A61K1/31	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BAMBOLE; VAISHALI ABHAY
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF PHYSICS,
(33) Name of priority country	:NA	UNIVERSITY OF MUMBAI, VIDYANAGARI, KALINA,
(86) International Application No	:NA	SANTACRUZ (EAST), MUMBAI 400 098, INDIA Maharashtra
Filing Date	:NA	India
(87) International Publication No	: NA	2)MAHANVAR; PRAKASH ANNA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BAMBOLE, VAISHALI ABHAY
(62) Divisional to Application Number	:NA	2)MAHANVAR; PRAKASH ANNA
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an nanocomposites of the mixture of SiO2 and Al2O3 in the ratio (5:1) with Polyethersulfone (PES) matrix having high strength and toughness and process for the production of the same. The method adopted gives a better mechanical, electrical and rheological properties than pure Polyethersulfone (PES) and other micro and nanoclay composites at a very low concentration of the S1O2/Al2O3 mixture and further which can be molded into any desired shape using different molds.

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

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DEVICE AND METHOD FOR GASIFYING BIOMASS

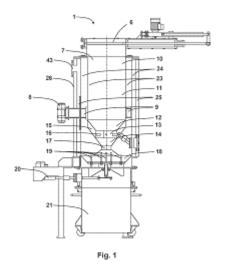
:NA

(51) International classification :C10J3/74,C10J3/66,C10J3/86 (71)Name of Applicant : (31) Priority Document No 1)REP RENEWABLE ENERGY PRODUCTS GMBH :A 1033/2011 (32) Priority Date :14/07/2011 Address of Applicant :Plabutscherstrae 115 A 8051 Graz (33) Name of priority country :Austria AUSTRIA. Austria (86) International Application No :PCT/AT2012/050074 (72) Name of Inventor: Filing Date :24/05/2012 1)KRAMMER Franz (87) International Publication No :WO 2013/006877 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

#### (57) Abstract:

Filing Date

The invention relates to a reactor (1) for gasifying biomass in particular wood comprising a feeder chute (7) and an ash bed arranged beneath the feeder chute (7). According to the invention a device is provided by means of which biomass adhering to the feeder chute (7) can be detached and/or a heat exchanger is provided by means of which a product gas generated from the biomass gives off heat to the biomass subsequently conveyed in the feeder chute (7) and to oxidation air. The invention further relates to a fine filter (29) for cleaning a product gas generated from biomass. According to the invention the filter medium contains biomass. Furthermore the invention relates to a method for gasifying biomass in a reactor (1) in particular a reactor (1) according to the invention to form a product gas. According to the invention biomass adhering to the feeder chute (7) is detached and/or heat is given off to biomass and to oxidation air by the product gas.



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

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR GENERATING A CAMPUS RECRUITMENT PLAN FOR AN ORGANIZATION

(51) International classification	:G06Q10/10,	(71)Name of Applicant :
(31) International classification	G06Q10/06	1)Tata Consultancy Services Limited
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(32) Priority Date	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)GHAROTE, Mangesh Sharad
Filing Date	:NA	2)JAIN, Ankita
(87) International Publication No	: NA	3)PALSHIKAR, Girish Keshav
(61) Patent of Addition to Application Number	:NA	4)SRIVASTAVA, Rajiv Radheyshyam
Filing Date	:NA	5)LODHA, Sachin P.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System(s) and method(s) for generating campus recruitment plan for facilitating selection of a candidate for an organization is disclosed. A ranking score is assigned to each college from a list of colleges. Number of candidates to be selected from each college is determined. A predefined number of panels from a large pool of panels by using demographic details of each employee of the organization are selected. A utility score for each panel of the predefined number of panels by using the demographic details and recruitment capability of each employee is calculated. Based on skill set of each interviewer and each candidate, a panel-candidate matching index is computed. An optimal number of interview panels from the predefined number of panels for interviewing the number of candidates are selected based on the panel-candidate matching index and the utility score to generate the campus recruitment plan by using an optimization technique.

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

(22) Date of filing of Application :21/03/2014

(43) Publication Date: 25/09/2015

## $(54) \ Title \ of the invention: NOVEL \ CRYSTALLINE \ FORM \ OF 5-AMINO-1-(2, 6-DICHLORO-4-TRIFLUOROMETHYLPHENYL)-3-CYANO-4-ETHYL \ SULFINYL \ PYRAZOLE$

(51) International classification	:C07D 231/00, C07D	(71)Name of Applicant:  1)GHARDA CHEMICALS LIMITED  Address of Applicant: B-27/29, MIDC Dombivli (East), Thane
	401/00	421203, Maharashtra, India. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)MATHUR Suchet S
(33) Name of priority country	:NA	2)MALWANKAR Jagdish R
(86) International Application No	:NA	3)MHATRE Hridaynath V
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a novel crystalline form of 5-amino-1-(2, 6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-ethyl sulfinyl pyrazole. The crystalline form of 5-amino-1-(2, 6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-ethyl sulfinyl pyrazole is described using X-ray powder diffraction patterns, an infrared spectrum and DSC. Further, the present invention provides a process for the preparation of the crystalline form of 5-amino-1-(2, 6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-ethyl sulfinyl pyrazole.

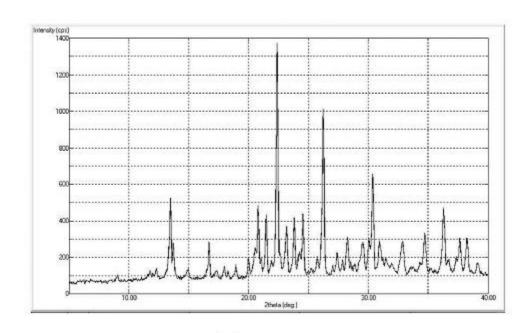


Figure 1

No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :24/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: LOCKING ASSEMBLY FOR DISTRIBUTION BOARDS/ENCLOSURES.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H05K7/14 :NA	(71)Name of Applicant: 1)LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	Address of Applicant :LARSEN & TOUBRO LIMITED L&T
(33) Name of priority country	:NA	HOUSE, BALLARD ESTATE, MUMBAI - 400001,
(86) International Application No	:NA	MAHARASHTRA STATE, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIVEK SASI
(61) Patent of Addition to Application Number	:NA	2)RAJESH JETHLIYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a locking assembly for distribution boards/enclosures. The locking assembly comprises a bottom plate, a pin member and a top plate. The top plate is hinged with the bottom plate to form a housing that encloses the slider latch thereby preventing access to the slider latch. The pin member is configured in the housing and locks the slider latch using a customized padlock. Thus, the locking assembly prevents unauthorized access to the distribution board/enclosure by dual locking of the slider latch. Figure 1

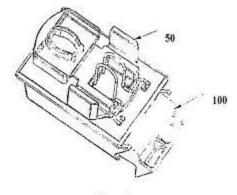


Figure 1

No. of Pages: 13 No. of Claims: 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.821/MUM/2014 A

(19) INDIA

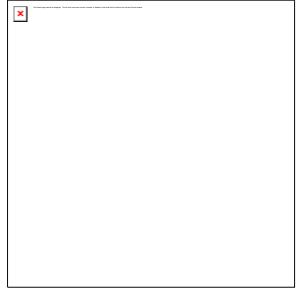
(22) Date of filing of Application :12/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SINGLE-WHEEL CHAIR ATTACHMENT FOR BICYCLES

(51) International classification	:F16M 11/04	(71)Name of Applicant: 1)MR. GLENN FERNANDES
(31) Priority Document No	:NA	Address of Applicant :GROUND FLOOR, MADHAV BAUG,
(32) Priority Date	:NA	BRAHMIN SOCIETY, NAUPADA, THANE 400 602
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GLENN FERNANDES
(87) International Publication No	: NA	2)DR. SARITA PARIKH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

A single wheel bicycle attachment for use in difficult terrains. The bicycle attachment comprises a chair structure that can accommodate a person in a semi-recumbent position; a single wheel attached to the chair structure; a plurality of handles; and a coupling mechanism to attach the bicycle attachment to a bicycle, motorcycle or other vehicle. The bicycle attachment is compact, stable and easy to maneuver in difficult areas. It can be operated in a variety of modes, such as being pushed, pulled and/or lifted by one or more persons, and/or towed by a bicycle, motorcycle or other vehicle, based on the terrain and availability of persons and/or vehicles. It may also include one or more shoulder harnesses to enable hands-free lifting of the bicycle attachment. The bicycle attachment thus ensures fast and optimized transport in difficult terrains, especially in case of medical emergencies.



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

(22) Date of filing of Application :09/11/2013 (43) I

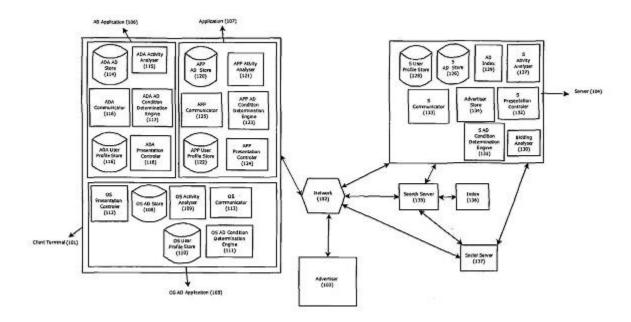
## (43) Publication Date : 25/09/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR ONLINE AND OFFLINE ADVERTISEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	21/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)GANORKAR ASHWIN BHIMRAO  Address of Applicant:GANORKAR ASHWIN BHIMRAO PLOT NO - 6, ONKAR NAGAR NAGPUR, 440027 MAHARASHTRA, INDIA Maharashtra India (72)Name of Inventor:  1)GANORKAR ASHWIN BHIMRAO
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In todays software world, the open source and free products are giving tough competition to many paid products. Even there is lot of competition between two or more similar open source products. Most of the open source products are available at free of cost. Hence software companies are force to distribute their products for free of cost. This is reducing the profit of the company. Hence there is need to find alternative earning source. Selling space for advertisement in a product is also one of the income source for the company. Presently the software companies are providing software or services for free to user and gating revenue by advertisements procured, which a user is compelled to see as and when user uses software, product, services. This is a system and method provided for presenting online and offline advertisement, data, etc. on users terminal. The activity of user and advertisement is sheared between different applications and servers. Advertisement is identified and displayed based on the activity of user. Applications can shares different components between each other to display advertisement.



No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :02/12/2013

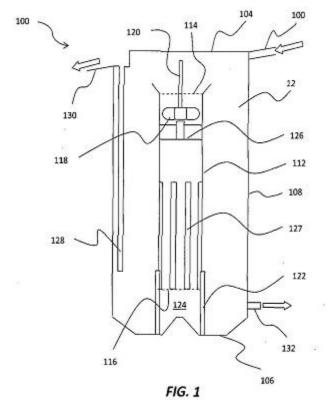
(43) Publication Date: 25/09/2015

## (54) Title of the invention: MIXING APPARATUS FOR MIXING SOLID-LIQUID SLURRY SOLUTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F 2/02 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ADITYA BIRLA SCIENCE AND TECHNOLOGY COMPANY LIMITED  Address of Applicant: ADITYA BIRLA CENTRE, 2ND FLOOR, C WING, S K AHIRE MARG, WORLI, MUMBAI 400025, MAHARASHTRA, INDIA Maharashtra India 2)HINDALCO INDUSTRIES LIMITED (72)Name of Inventor: 1)THANGARAJ, KUMARESAN 2)THAKRE, SHIRISH 3)BHOR, KIRAN DNYANESHWAR 4)WALIA, NARINDER SINGH 5)MITRA, HIRAK
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#### (57) Abstract:

A mixing apparatus for mixing solid in liquid slurry solution is disclosed. The mixing apparatus includes a tank defining a top surface, a bottom surface and a side surface, and having an inlet for receiving the solution at or proximate the top surface. A draft tube is vertically arranged within the tank and having an agitator configured to generate a downward flow of the solution. A riser pipe is connected to the tank at a point at or proximate the top surface and extending within the tank towards the bottom surface to act as a first outlet for the solution from the tank. Further, a second outlet is provided for the solution located at or proximate the bottom surface of the tank, such that the riser pipe and the second outlet are disposed on opposite sides of an annular region of the draft tube.



No. of Pages: 19 No. of Claims: 18

(22) Date of filing of Application :12/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD OF SEPARATING CARBOHYDRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	31/7076	(71)Name of Applicant:  1)INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE  Address of Applicant: No. 195, Sec.4, Chung Hsing Rd., Chutung Hsinchu 31040, Taiwan, R.O.C. Taiwan (72)Name of Inventor:  1)YANG, Tzu-Yueh 2)SHIH, Ruey-Fu 3)CHEN, Chih-Hao 4)WAN, Hou-Peng
(62) Divisional to Application Number Filing Date	:NA :NA	5)LEE, Hom-Ti

#### (57) Abstract:

TITLE.: METHOD OF SEPARATING CARBOHYDRATE Disclosed is a method of separating carbohydrate, including: mixing formic acid with heteropoly acid, chloride or bromide of lithium, magnesium, calcium, zinc, or iron, or combinations thereof to form a mixing liquid. The method also includes dissolving a cellulose biomass by the mixing liquid to form a solution, mixing water and the solution to hydrolyze the cellulose biomass for forming a carbohydrate solution, and mixing an extractant and the carbohydrate solution to extract the formic acid out of the carbohydrate solution. The heteropoly acid, the chloride or bromide of lithium, magnesium, calcium, zinc, or iron, or combinations thereof in the carbohydrate solution is separated out of the carbohydrate solution by ion exclusion chromatography separation to obtain a carbohydrate.

No. of Pages: 56 No. of Claims: 19

(22) Date of filing of Application :27/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HYBRID BOILER SYSTEM

(51) International classification	:F23L7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)THERMAX LIMITED
(32) Priority Date	:NA	Address of Applicant :D-13, MIDC INDUSTRIAL AREA,
(33) Name of priority country	:NA	R.D. AGA ROAD, CHINCHWAD, PUNE - 411019,
(86) International Application No	:NA	MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JHA R S
(61) Patent of Addition to Application Number	:NA	2)PRAJEENDRAN C P
Filing Date	:NA	3)KHARAT RAHUL
(62) Divisional to Application Number	:NA	4)MANE ABHAY
Filing Date	:NA	

#### (57) Abstract:

A hybrid boiler system comprises a base, a furnace chamber, and an internal reversal chamber. The furnace chamber and the internal reversal chamber are in fluid communication with each other. The hybrid boiler system further comprises a boiler shell disposed operatively above the furnace chamber, having a plurality of fire tubes disposed therein. A smoke chamber is configured on the boiler shell on an operative end of the boiler shell. A combustor is disposed in the furnace chamber operatively above the base. The fluid vaporized in the hybrid boiler system is extracted via an outlet. Fig.7

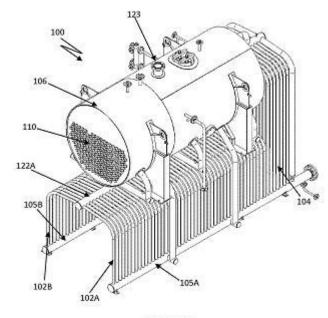


FIGURE 7

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.829/MUM/2014 A

(19) INDIA

(22) Date of filing of Application: 12/03/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: ELECTRICAL CIRCUIT SYNCHRONISATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H03L7/099 :1307684.9 :29/04/2013 :U.K. :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)CONTROL TECHNIQUES LTD Address of Applicant: The Gro, Pool Road, Newtown SY16 3BE United Kingdom U.K. (72)Name of Inventor: 1)HART Simon David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method, apparatus, computer readable medium, and system for synchronising a power source with a three-phase electricity grid for the power source to supply electricity to the electricity grid is disclosed. The method comprises operating a first switching unit to disconnect a power source from an interfacing circuit. The interfacing circuit comprises a DC-to-AC converter arranged between the power source and a three-phase electricity grid for converting a DC voltage received from the power source to a three-phase AC voltage for supplying the electricity grid, an electrical storage unit connected across the DC-to-AC converter, and a resistance which is selectably connectable in parallel with the electrical storage unit across the DC-to-AC converter, operating a second switching unit to connect the electricity grid to the interfacing circuit, wherein the electrical storage unit is electrically coupled to the electricity grid through the DC-to-AC converter. The method further comprises connecting the resistance to and disconnecting the resistance from the electricity grid through the DC-to-AC converter when the second switching unit is connecting the electricity grid to the interfacing circuit. In addition, the method comprises monitoring one or more electrical characteristics of the interfacing circuit in accordance with the connection and disconnection of the resistance. Furthermore, the method comprises determining one or more electrical characteristics of the interfacing circuit.

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

(22) Date of filing of Application :07/03/2014

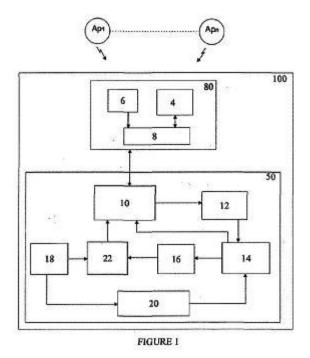
#### (43) Publication Date: 25/09/2015

## (54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR WI-FI BASED INDOOR LOCALIZATION

(51) International classification	:G01C21/00	(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	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AHMED Nasimuddin
(87) International Publication No	: NA	2)BHAUMIK Chirabrata
(61) Patent of Addition to Application Number	:NA	3)GHOSE Avik
Filing Date	:NA	4)PAL Arpan
(62) Divisional to Application Number	:NA	5)AGRAWAL Amit
Filing Date	:NA	6)CHAKRAVARTY Tapas

#### (57) Abstract:

A computer implemented system and method for Wi-Fi based indoor localization is disclosed. The system includes a server having preconfigured information regarding an indoor environment. A user device while moving across the indoor environment, installed with Wi-Fi access points, captures data point values. The data point values are a group of signal strength indicators called as Received Signal Strength Indicators (RSSI). The user device transmits the captured data point values to the server at regular intervals. The server processes the data point values and prepares a decision tree for determining the zone of user location in the indoor environment. The decision tree is kept updated by the server as it receives new set of data point values. The updated decision tree is transmitted to the user device. The user device records a new data point value and determines its location by searching for the value in the decision tree.



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

(22) Date of filing of Application :17/06/2013 (43) Publication Date : 25/09/2015

### (54) Title of the invention: SOFTWARE PRODUCT CONSISTENCY ASSESSMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B5/0484, A61B5/16 :13/893,824 :14/05/2013 :U.S.A. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 INDIA Maharashtra India (72)Name of Inventor: 1)PADMALATA NISTALA VENKATA 2)KUMARI, Priyanka 3)MANDALEEKA, NARAYANA GURU PRASADA LAKSHMI
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#### (57) Abstract:

A consistency assessment system (102) for assessment of consistency of a software product includes a mapping module (118) to obtain a plurality of configuration elements associated with the software product being developed, where each of the plurality of configuration elements influence software product development. Each of the plurality of configuration elements pertains to one of a plurality of element categories influencing software product development. The mapping module (118) further identifies based on one or more identifiers, association of at least one configuration element from among the plurality of configuration elements with at least one other configuration element from among the plurality of configuration elements. Upon identification, an assessing module (122) determines a requirement consistency index (RCI) for assessment of consistency of the software product based on the identified association. The RCI indicates an overall consistency of the software product.

No. of Pages: 32 No. of Claims: 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.349/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :31/01/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: Process for production and purification of Capsular pneumococcal polysaccharide from Streptococcus pneumoniae or Pneumococcus and method for producing a conjugate vaccine composition using said polysaccharide.

Address of Applicant :#13, Rachana Blossom, Jagdishnagar, Aundh, Pune 411007 India Maharashtra India (72)Name of Inventor:  1)BioBridge Healthcare Solutions Pvt Ltd
01/1900
1

#### (57) Abstract:

The present invention relates to the production and purification of pneumococcal capsular polysaccharide conjugate. Various capsular polysaccharides from different S. pneumoniae serotypes conjugated to an immunogenic carrier protein, where the individual composition comprises serotype i.e. 1, 3, 4, 5, 6A, 6B, 7F, 9V, 14, 18C, 19A, 19F and 23F conjugated to CRM197 individually. Therefore the object of the present invention is to provide a process for the production and purification of pneumococcal capsular polysaccharide (PnPs) from Streptococcus polysaccharide by treatment of seed inoculum and using it for large scale high yielding production of polysaccharide. Yet another object of the present invention is to provide a method for conjugation of capsular polysaccharide with carrier protein CRM197.

No. of Pages: 2 No. of Claims: 8

(22) Date of filing of Application :30/12/2013

(43) Publication Date: 25/09/2015

## (54) Title of the invention : A NOVEL GASTRO-RETENTIVE DELIVERY OF FLUROQUINOLONE ANTIBACTERIAL AGENTS.

		(71)Name of Applicant:  1)WAGHULDE, SANDEEP ONKAR  Address of Applicant: FLAT NO. 303, BLDG. NO. 14,  LAVENDER, AMBIKA RESIDENCY, REGENCY ESTATE,
	:A61K9/22, A61K9/00,	KALYAN-SHIL ROAD, DOMBIVLI (E)-421 201, MAHARASHTRA, INDIA. Maharashtra India
(51) International classification	A61K31/198,	1
	A61K9	3)GORDE, NILESH KESHAVRAO
(31) Priority Document No	:NA	4)NAIK, PRAVIN PANDURANG
(32) Priority Date	:NA	5)JAIN, VISHAL RAMESH
(33) Name of priority country	:NA	6)SIKDAR, MRINAL R.
(86) International Application No	:NA	7)SARANGI, MANOJ KUMAR
Filing Date	:NA	8)LAXMIKANT ARUN DESALE
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)WAGHULDE, SANDEEP ONKAR
Filing Date	:NA	2)JUVATKAR, PRITAM VIJAY
(62) Divisional to Application Number	:NA	3)GORDE, NILESH KESHAVRAO
Filing Date	:NA	4)NAIK, PRAVIN PANDURANG
		5)JAIN, VISHAL RAMESH
		6)SIKDAR, mrinal R.
		7)LAXMIKANT ARUN DESALE
		8)Sarangi, Manoj kumar

#### (57) Abstract:

The present invention relates to a novel gastro-retentive delivery of fluroquinolone antibacterial agents, comprising hydrophilic swellable matrix, bioadhesive system and floating system either alone or in combination. Further invention relates natural polysaccharides isolated from tamarind seed, which use as excipients in pharmaceutical dosage form and process for preparation thereof.

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

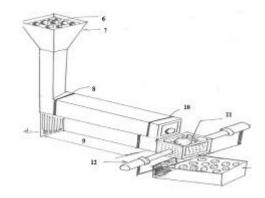
(22) Date of filing of Application :10/06/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PNEUMATIC OPERATED GOOSEBERRY PUNCHING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Apoorva Manoharrao Kakde Address of Applicant: Hindinagar, Nagri Bank Colony Road, near Khangar™s House Wardha, 442001 Maharashtra India (72)Name of Inventor:  1)Apoorva Manoharrao Kakde 2)Nilesh P. Awate
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)Nilesh P. Awate
Filing Date	:NA	

#### (57) Abstract:

Gooseberry (Phyllanthus emblica L.) belongs to the family Euphorbiceae is one of the important minor fruit crops of our country. In India, it is called by various names such as Gooseberry, Nelli, Gooseberry, Amlika, Dhotri, Emblica and Usuri.In the mechanization of the Gooseberry processing and product diversification, the challenging task is to punch the Gooseberry fruit in small holes. There are few methods and equipments such as blanching the fruit for easy separation or by shredding the fruit in the shredder to remove the seed. Blanching leads to loss of valuable nutrients, while shredder crushes the fruit between rollers which leads to heavy loss of juice as well as pulp and chances of seed breakage are higher. Moreover, the shredded fruit pulp cannot be used for ayurvedic product preparation. An economical manufacturing solution is necessary for making the product affordable to the small industries and rural area where people work at home for earning. The purpose of this is to overcome the problems arising during the manual process of punching the Gooseberry while manufacturing Murabba. Also the ergonomics (health) of the operator is a big issue as it can cause harm to the workers wrist and hand. The machine should expected to increase the productivity and labouring work can be minimized. Production rate can be improved and fatigue to the worker can be reduced. Following invention is described in detail with the help of Figure 1 of Sheet 1 illustrates Assembly of Gooseberry punching machine, Figure 2 of sheet 2 shows the side view of gooseberry punching machine, Figure 3 of sheet 3 shows Catia model of gooseberry punching machine.



No. of Pages: 12 No. of Claims: 6

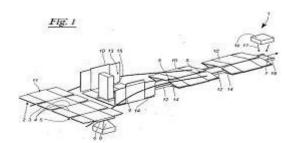
(22) Date of filing of Application :27/01/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHOD AND DEVICE FOR TESTING BOX BLANKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	B65B19/28, B65B57/04, B31B :102013003090.0 :25/02/2013 :Germany :NA :NA :NA :NA	(71)Name of Applicant:  1)TEXMAG GMBH VERTRIEBSGESELLSCHAFT Address of Applicant: ZEHNTENSTRASSE 17, CH-8800 THALWIL, SWITZERLAND Switzerland (72)Name of Inventor: 1)REITER THOMAS 2)ZWERGER LARS
Filing Date	:NA	

### (57) Abstract:

In a method for testing a box blank formed from flat material, the said box blank is guided along a blade (12). At least one of the layers (10) is folded onto the blade (12), so that it is located between the layers (10,14). A component (16) is located opposite the blade (12), which component is located outside the box blank (2). Waves (17, 21) which are affected by the layer (10) are propagated between the blade (12) and the component (16). In order to achieve a high contrast, the blade has at least one physical property which differs from the corresponding physical property of the box blank!



No. of Pages: 26 No. of Claims: 13

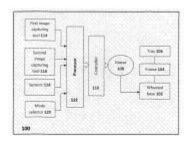
(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A DEVICE AND PROCESS FOR AUTOMATIC BEVERAGE DELIVERY

(51) International classification	:B65B3/04	(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	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KUMAR SWAGAT
(87) International Publication No	: NA	2)GARG SOURAV
(61) Patent of Addition to Application Number	:NA	3)KEJRIWAL NISHANT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure discloses a device and process for automatic beverage delivery. The device includes a tray of cups filled with beverage that is carried to people either assembled in a hall or working at their desks in an office. The device is capable of avoiding obstacles during its motion/movement, it can follow a line marked on floor, detect hands when people pick up the beverage cups, distinguish between person and inanimate object while navigating and can also return to the filling station on detecting an empty tray or after a pre-determined amount of time. It has several modes of operation catering to different use cases. A user can select from these modes to achieve desired movement form the device.



PICURE

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

(22) Date of filing of Application :07/02/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: NOVEL SUBSTITUTED INDOLE DERIVATIVES AS GAMMA SECRETASE MODULATORS

(51) International :C07D487/04,C07D498/04,A61K31/5383 classification

(31) Priority Document :11174120.3

(32) Priority Date :15/07/2011

(33) Name of priority :EPO

country

(86) International

:PCT/EP2012/063667 Application No :12/07/2012

Filing Date

(87) International

:WO 2013/010904 Publication No

(61) Patent of Addition to Application Number

:NA :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 NJ 08560 U.S.A. U.S.A. 2) CELLZOME LIMITED

(72)Name of Inventor:

1)MINNE Garrett Berlond

2)BISCHOFF Fransois Paul

3)GIJSEN Henricus Jacobus Maria

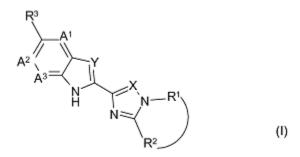
4) VELTER Adriana Ingrid

5)PIETERS Serge Maria Aloysius

6)BERTHELOT Didier Jean Claude

#### (57) Abstract:

The present invention is concerned with novel substituted indole derivatives of Formula (I) wherein R R R A A A Y and X have the meaning defined in the claims. The compounds according to the present invention are useful as gamma secretase modulators. The invention further relates to processes for preparing such novel compounds pharmaceutical compositions comprising said compounds as an active ingredient as well as the use of said compounds as a medicament.



No. of Pages: 155 No. of Claims: 15

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS OF POLYMERIC NANOPARTICLES

(51) International classification	:A61k9/00, A61k31/00	(71)Name of Applicant: 1)CIPLA LIMITED
(31) Priority Document No	:NA	Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400
(32) Priority Date	:NA	088, MAHARASHTRA, INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)JAIN, DARSHANA
Filing Date	:NA	2)BAJAJ, AMRITA
(87) International Publication No	: NA	3)MALHOTRA, GEENA
(61) Patent of Addition to Application Number	:NA	4)RAUT, PREETI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

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

The present invention relates to pharmaceutical compositions comprising polymeric nanoparticles of anticancer drugs.

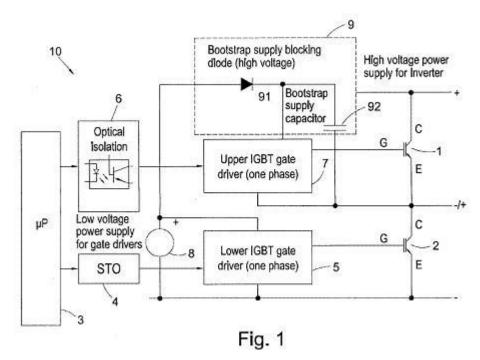
(22) Date of filing of Application :07/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: FAIL SAFE 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> <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>	:H02H3/027 :1304187.6 :08/03/2013 :U.K. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: The Gro, Pool Road, Newtown SY16  3BE United Kingdom U.K.  (72)Name of Inventor:  1)SYKES Andrew Jeremy  2)WAIN Richard Mark  3)HARGIS Colin
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#### (57) Abstract:

Apparatus for preventing output of an input signal is disclosed, which comprises a signal control unit comprising a buffering unit having an input and an output, the buffering unit arranged to receive an input signal and pass the input signal to the output when the buffering unit is powered. A negative power supply terminal of the buffering unit is supplied by a power source. The signal control unit also comprises a boost circuit to boost the voltage of the power source and supply either the voltage of the power source or the boosted voltage to a positive power supply terminal of the buffering unit. The buffering unit is powered when the boosted voltage is supplied to the buffering unit and the buffering unit is not powered when voltage of the power supply terminal is supplied to the positive power supply terminal of the buffering unit.



No. of Pages: 40 No. of Claims: 23

(21) Application No.600/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DUAL CONTROLLED RELEASE COMPOSITIONS

(Table 1)		
(51) International classification	:A61K9/24	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INVENTIA HEALTHCARE PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :UNIT 703 & 704, 7TH FLOOR,
(33) Name of priority country	:NA	HUBTOWN SOLARIS, N S PHADKE MARG, ADHERI
(86) International Application No	:NA	(EAST), MUMBAI - 400 069 MAHARASHTRA, INDIA
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MUKHERJI GOUR
Filing Date	:NA	2)JAIN JAYESH MANAKCHAND
(62) Divisional to Application Number	:NA	3)SHAH VAIBHAVI ANKUR
Filing Date	:NA	

## (57) Abstract:

A layered tablet composition comprising water-soluble pregabalin and water-insoluble aceclofenac, wherein the composition exhibits dual controlled release.

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

(21) Application No.785/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :07/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MICROEMULSION SYSTEM AND A PROCESS FOR PREPARING THE SAME

(51) International classification	:B01J3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Marico Limited
(32) Priority Date	:NA	Address of Applicant :7th Floor, Grande Palladium 175, CST
(33) Name of priority country	:NA	Road, Kalina, Santacruz (E), Mumbai 400 098, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Anuradha Pol
(61) Patent of Addition to Application Number	:NA	2)Avani Mainkar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

The present invention relates to a microemulsion system comprising at least one surfactant, at least one oil component and at least one co-surfactant.

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

(22) Date of filing of Application :20/03/2014 (43)

(43) Publication Date: 25/09/2015

## (54) Title of the invention: NATURAL WOUND HEALER COMPRISING HERBAL DRUG COMPOSITIONS FOR WOUND HEALING AS TOPICAL APPLICATIONS AND INTERNAL USES.

(51) International classification (31) Priority Document No	47/36 :NA	(71)Name of Applicant:  1)MR. YOGESH P. TALEKAR  Address of Applicant: S.NO.36/1/1, M.N. 199, VADGAON
(32) Priority Date (33) Name of priority country	:NA :NA	KHURD, SINHAGAD ROAD, PUNE 411 041,MAH, INDIA.  Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. YOGESH P. TALEKAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This Invention is regarding healing of various types of wounds. The invention has angiogenic activity It increases levels of essential antioxidant like SOD, CAT, and GSH while lowers the deleterious effect of LPO in tissues. This invention can be formulated in various forms like external, topical and oral. It can be used to coat for bandages, sutures and other healing devices. Drug is effective in treating wounds in animals along with the human. Various wound models like Incision, Excision, Dead space and diabetic wounds were treated and confirmed the efficacy.

No. of Pages: 8 No. of Claims: 9

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HYBIRD SAW-TOOTH GENERATOR MODULE (M5) FOR RADIOALTIMETER

(51) International classification	:G01s	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SLRDC, HAL, AVIONICSDIVISION
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR,
(86) International Application No	:NA	HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VISWANATHAN THYAGARAJAN
(61) Patent of Addition to Application Number	:NA	2)RATNAKARAM JAYANTHI
Filing Date	:NA	3)LANDA SRINIVAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT OF THE INVENTION: The Hybrid Saw-tooth Generator module(M5) is used in Radio altimeter to generate linear saw-tooth wave form as per the control voltages and associated pulse for the operation of Radio altimeter. The module was realised in the form of Hybrid IC by redesigning the module using miniature SMD components by which the advantage of size reduction and reliability improvement is achieved on the airborne equipment.

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

(21) Application No.1467/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: VOR/ILS INTERFACE UNIT (IFU)

(51) International classification	:g01s	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SLRDC, HAL, ACCESSORIES
(32) Priority Date	:NA	Address of Applicant :AGM(DESIGN), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, ACCESSORIES DIVISION,
(86) International Application No	:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. ANOOP KUMAR YADAV
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

VOR/ILS Interface Unit (IFU) is used in conjunction with VOR/ILS Receiver and INP-R indicator meter. Standard VOR/ILS Receivers generally output the data on ARINC 429 digital bus, which can be directly displayed on digital indicator meters. But analog type of indicators requires analog inputs. So, the VOR/ILS Interface Unit (IFU) acts like a converter, which converts the data received on digital bus to the analog outputs, compatible with the analog indicator meter. IFU receives the following VOR/ILS Receiver parameters on ARINC 429 bus and converts into the voltage and current levels required by INP-R meter VOR Bearing & VOR Validity. Glide Slope (GS) DDM & GS Validity. Localizer (LOC) & LOC Validity. Traditional way of generating the resolver signals is through analog circuits like transformer, Hybrid ICs etc, which are bulky, heavy and costly. New technique referred here for generation of resolver signals using digital techniques is a very cost effective & advanced way, when compared to its traditional counterpart.

No. of Pages: 9 No. of Claims: 1

(43) Publication Date: 25/09/2015

(19) INDIA

APPLICATIONS

(22) Date of filing of Application :20/03/2014

## (54) Title of the invention: OPEN COLLECTOR BUFFER HYBIRD MODULE IN CODE CARD OF AVIONICS EQUIPMENT FOR AIRBORNE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No : NA	Address of Applicant :AGM(D), SLRDC, AVIONICS DIVISION, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor: 1)YEGIREDDI SREEDHAR
(87) International Publication 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 BHEEM-EU is an avionic Line Replaceble Unit for Indegenous Fighter Aircraft consisting of on board microprocessor based data acquisition and processing system. It plays an important role in controlling the Wheel Brake Management system, Nose Wheel Steering system, Undercarriage system and Monitoring of the Engine, Electrical and Hydraulic Power supply distribution systems. To control or monitoring of above said systems, BHEEM-EU is interfaced electrically with the above said systems. BHEEM-EU is designed in a moduler manner for data acquisition and processing. One of These modules is CODE Card for data acquisation and generation. CODE card interface to above said systems through analog & discrete electrical input/output signal format. The discrete electrical outputs are generated through mechinal/ solidstate relays. These relayes are operated through software computed digital processing data. Inorder to control relays through digital data, it is required pull-up based open collector buffer. For this purpose, Open Collector Buffer Hybrid Module are used to operate the Mechanical/Solidstate Relays. In CODE card, discrete outputs are 24 No.s. Since CODE card is a standard Vi ATR size moduler design. To accommadate all 24 discrete outputs generation cricuits along with other inputs acquisation/ output geneartion circuits, its need to be custom designed Open Collector Buffer circuit for discrete output generation.For this purpose 11 channel Open Collector Buffer Hybrid Module is designed in CODE board of BHEEM-EU. Fig 4: 1/2 ATR BHEEM-EU Avionics unit with 1 No. CODE card Fig 5: CODE card with 10- Channel Analog Output Filter Hybrid Module

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

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BOTTOM COVER FOR A VEHICLE WITH SWINGING POWER UNIT

(51) International classification	:B60R13/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES • NO.29 (OLD
(33) Name of priority country	:NA	NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)YOGESH CHANDRAKANT KOTNIS
(87) International Publication No	: NA	2)MEGANATHAN MOHANKUMAR
(61) Patent of Addition to Application Number	:NA	3)KUMARI NISHA GUPTA
Filing Date	:NA	4)VENKADASAMY GANESH
(62) Divisional to Application Number	:NA	5)NITHIN MADHAV
Filing Date	:NA	6)KURMAM SHANMUKHA PRADEEP

## (57) Abstract:

The present subject matter discloses a saddle type vehicle with a swinging engine (24) wherein when disposed on the vehicle frame, a front portion of the engine (24) is located within an enclosed space formed at least by a left side cover (41), a right side cover, an underseat cover (21), a left side trim member (14), a right side trim member and the article storage device (23). The saddle type vehicle further comprises of a bottom cover (60) having a ramp (70) housed within a housing space (15) formed between a floorboard (12) and the bottom cover (60). The ramp (70) is oriented angular to the bottom cover (60) and channelized the incoming air towards the enclosed front portion of the engine. The bottom cover (60) acts as a structural member to cover the lower frame from the bottom and also aids in engine cooling. [Abstract to be published with FIG. 3]

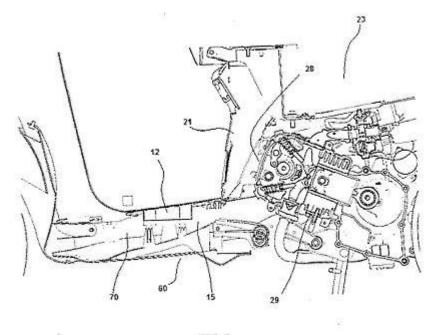


FIG. 3

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

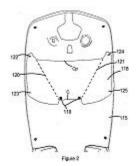
(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: FRONT STORAGE UNIT FOR A SCOOTER TYPE VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES • NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:
Filing Date	:NA	1)YOGESH CHANDRAKANT KOTNIS
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)MEGANATHAN MOHANKUMAR 3)KUMARI NISHA GUPTA
Filing Date	:NA	4)VENKADASAMY GANESH
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Given description discloses a front storage unit for a scooter is fixed with rear part of the front panel through different fastening means. Lower centre part of this front storage unit is fixed with the rear part of front panel through multiple dual lock fasteners. Said dual lock fasteners are positioned above a secondary cavity provided on the lower most edge of the front storage unit. Also the sides of said secondary cavity are formed such that an imaginary line joining sides of said secondary cavity and sides of a primary cavity formed on the upper most end of the front storage unit forms an acute angle with respect to the upper line of the secondary cavity. Use of said dual lock fasteners and corresponding upper and lower cavity ensures voluminous flexibility as well as strength of the storage unit with even with use of less plastic material.



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

(22) Date of filing of Application :20/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention : SOCIALLY AWARE ENERGY BUDGET (RE-) DISTRIBUTION FRAMEWORK FOR SUSTAINABLE ENTERPRISE BASED ZIGBEE GATEWAYS

(51) International classification	:H04L12/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO.44, ELECTRONIC CITY,
(33) Name of priority country	:NA	HOSUR ROAD, BANGALORE - 560 100 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANIMIKH GHOSH
(87) International Publication No	: NA	2)KETAN PATIL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present invention provides a sustainable enterprise framework for associated gateways in a network to leverage group level decisions and redistribute allocated energy budget among the associated gateways. The enterprise framework is configured to allocate Gateway Hourly Budget (GHB) as hourly spending limit to the associated gateways, autonomously electing gateway leader from the associated gateways, predicting hourly energy requirement for the associated gateways, calculating energy difference parameter between the allocated GHB and predicted hourly energy requirement, transmitting the hourly energy difference parameter to the autonomously elected gateway leader. The leader further re-computes GHB for the associated gateways for the forthcoming hour and redistributes energy budget by ordering the one or more associated gateways to reset the hourly spending limit with the recomputed GHB, thereby enabling optimal utilization of energy and maximum runtime to the appliances connected to the network. REF FIG: 1

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

(21) Application No.248/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :21/01/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: APPARATUS FOR LED ILLUMINATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES • NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:  1)VAIDYANATHAN BALAJI 2)MALUVADU SUNDARAM ANANDKUMAR 3)BOOBALAN MANI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>		2)MALUVADU SUNDARAM ANANDKUMAR 3)BOOBALAN MANI
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

ABSTRACT A thermoelectric module (21) acting as a thermoelectric generator and placed on the muffler body (14). By recovering this waste heat and converting into electricity, it can be used for different applications such as illuminating the ground beneath the chassis for avoiding toppling of bike due to irregularity of surface below the vehicle during nighttime and in dark places. In addition, during night-time after riding and switching off the vehicle, there is no indication that muffler (14) surface is hot. The heat energy of exhaust muffler (14) can be used to lit a LED that can be a sign of a higher muffler body temperature.

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

(21) Application No.1410/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: OIL FLOW SYSTEM FOR A 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> </ul>	:F16D13/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES • NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:  1)GUTTI GNANAKOTAIAH
<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)SADESH BALAKRISHNAN 3)SAPTARSHI SAMANTA 4)SHRINIDHI SHRIDHARA

## (57) Abstract:

The present subject matter discloses a clutch release pin assembly 40 for regulating the oil flow to a wet clutch 10 and comprising a clutch release pin 12, an oil sealing cap 18 and a preloaded compression spring 16 accommodated between the clutch release pin 12 and the oil sealing cap 18. During a clutch disengagement event, the clutch release pin assembly 40 moves axially to cover an end of an input shaft 11 facing the wet clutch 10 and regulates the flow of oil toward a plurality of clutch plates 8. The present invention thus ensures smooth gear shifting with reduced manual effort. [Abstract to be published with FIG. 1(a)]

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1411/CHE/2014 A

(19) INDIA

(22) Date of filing of Application: 18/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: AN ELASTIC DAMPER

(51) International classification	:F16F13/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES • NO.29 (OLD
(33) Name of priority country	:NA	NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GANESH RAO PADUBIDRI
(87) International Publication No	: NA	2)MOSALI NAGARJUN REDDY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present subject matter discloses an elastic damper 13 for mounting of an internal combustion engine 400 on a vehicle frame of an automotive vehicle. The elastic damper 13 comprises an upper portion 14 and a base portion 15. The base portion 15 further comprises of a plurality of apertures 18 disposed radially around the lower annular opening 16 in a circular fashion. Each aperture from the plurality of apertures 18 is spaced from the adjacent aperture. The elastic damper provides better shear stress absorption and thus reduces the transfer of loads and vibrations to the vehicle frame.

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

(21) Application No.1412/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: REAR FENDER FOR A MOTORCYCLE

(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	:B62D25/00 :NA
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## (57) Abstract:

The present invention relates to a rear fender (10) for a motorcycle. The rear fender (10) described herein includes a first fender member (10a) extending in a motorcycle forward direction. Said first fender member (10a) including a left L shaped member (1) extending along a left side of the motorcycle in a motorcycle width direction, a right L shaped member (2) extending along a right side of the motorcycle in a motorcycle width direction and a bottom member (8) bridging said left L shaped member (1) and said right L shaped member (2) in a front lower portion of said first fender member (10a), is adapted to cover a larger surface area of a rear wheel of the motorcycle.

No. of Pages: 23 No. of Claims: 7

(21) Application No.2287/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :18/09/2008 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: LENS APPARATUS AND CAMERA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G02B27/64; G02B27/64 :2007- 245543 :21/09/2007 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)CANON KABUSHIKI KAISHA Address of Applicant: 3-30-2, SHIMOMARUKO, OHTA-KU, TOKYO Japan (72)Name of Inventor:  1)ISHIKAWA, MASANORI 2)SUGITA, JUN 3)AKADA, HIROSHI 4)INOUE, KATSUHIRO 5)ITO, SAWAKO
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#### (57) Abstract:

An optical apparatus includes < photographic optical system including an image stabilizing uric supported by a support member via a plurality of elastic members, an aciuator configured to drive the image stabilizing or it in direction perpendicular to an optical axis thereof, a. position detection unit configured to detect a position in roe oirectaon perpendicular to the optical axis of the image stabel izing mi-, a gravitational direction determination'an it configured to determine a gravitational direction based on an cutout d-rorr. the position detection unit, a setting unit configured to set a holding position at which the image stabilizing unit is held based on information concerning the gravitational direction output from the gravitational direction determination ur.it, and a control unit configured to control the actuator based on information concerning the holding position to ntove the iraage ie holding position.

No. of Pages: 43 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.3544/CHENP/2014 A

(22) Date of filing of Application :12/05/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: ELECTRIC MACHINE WITH DAMPENING MEANS

(51) International classification (31) Priority Document No :11185420.4 (32) Priority Date :17/10/2011

(33) Name of priority country :EPO

(86) International Application No :PCT/FI2012/050989 Filing Date :16/10/2012

(87) International Publication No :WO 2013/057371 (61) Patent of Addition to Application

:NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

:H02K1/22,H02K5/24,F03D11/00 | (71)Name of Applicant :

1)ABB TECHNOLOGY AG

Address of Applicant : Affolternstrasse 44 CH 8050 Z1/4rich

Switzerland

(72)Name of Inventor:

1)ROIVAINEN Janne 2)MANTERE Juhani

3)SZUCS Aron

#### (57) Abstract:

An electric machine comprising a support frame (6) an outer rotor (2) a stator (4) and dampening means the outer rotor (2) and the stator (4) being supported to the support frame (6) the dampening means being adapted for dampening vibrations of the outer rotor. The outer rotor (2) comprises an annular end plate (28) the dampening means comprises a first damper (10; 10; ) having a first constraint element (12; 12; 12) and a first visco elastic layer (14; 14; 14) provided on a surface of the first constraint element (12; 12; 2) the first constraint element (12; 12; 12) being connected to the annular end plate (28) through the first visco elastic layer (14; 14; 14).

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

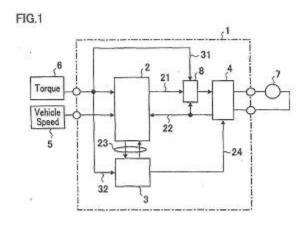
(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ELECTRIC POWER STEERING APPARATUS

(51) International classification	:B62D6/00,B60R16/02,B62D5/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mitsubishi Electric Corporation
(32) Priority Date	:NA	Address of Applicant :7 3 Marunouchi 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:NA	1008310 Japan
(86) International Application No	:PCT/JP2011/074393	(72)Name of Inventor:
Filing Date	:24/10/2011	1)NISHIMURA Hiroshi
(87) International Publication No	:WO 2013/061391	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This electric power steering apparatus has a monitoring/controlling means which monitors an abnormality of a CPU and controls drive signals that drive a motor in the case where the CPU is abnormal. The monitoring/controlling means has a first control mode for stopping driving of the motor and a second control mode for continuously controlling the motor with provisional drive signals that regulate drive signals that substitute for CPU drive signals and when the monitoring/controlling means detects an abnormality of the CPU the monitoring/controlling means selects the second control mode and continuously controls the motor with the provisional drive signals that substitute for the CPU drive signals then after the control in the second control mode the monitoring/controlling means stops driving of the motor by selecting the first control mode.



No. of Pages: 47 No. of Claims: 11

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : DEVICE FOR SELECTIVELY CONNECTING A FIRST ITEM OF EQUIPMENT TO A PLURALITY OF SECOND ITEMS OF EQUIPMENT AND DATA PROCESSING ASSEMBLY COMPRISING SUCH 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L12/931 :1160466 :17/11/2011 :France :PCT/EP2012/072852 :16/11/2012 :WO 2013/072469 :NA :NA :NA	(71)Name of Applicant: 1)SAGEM DEFENSE SECURITE Address of Applicant: 18 20 Quai du Point du Jour F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)LAROIS Bruno 2)DELVILLE Denis 3)COURTEILLE Jean Marie 4)VALETTE Patrick
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#### (57) Abstract:

Device (1) for selectively connecting at least one first item of computer equipment (100) to a plurality of second items of computer equipment (200) comprising a first Ethernet port (10) for connecting to the first item of equipment second Ethernet ports (20) for connecting to each of the second items of equipment a selector (50) designed to physically and selectively link the first Ethernet port to the second Ethernet ports and a control unit for the selector (60). Data processing assembly comprising items of equipment (100) linked to at least one such connecting device (1).

No. of Pages: 16 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3542/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: CRUSHING DEVICE AND METAL ROLL FOR GRIT MANUFACTURE

(51) International classification (31) Priority Document No :2012006375 (32) Priority Date :16/01/2012 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/058081 Filing Date :28/03/2012

(87) International Publication No :WO 2013/108417

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

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

:B02C4/42,B02C4/32,B24C11/00 | (71)Name of Applicant :

1)SINTOKOGIO LTD.

Address of Applicant: 11 11 Nishiki 1 chome Naka ku Nagoya shi

Aichi 4600003 Japan (72)Name of Inventor: 1)ISHIKAWA Masayuki

2)NAKANO Yoshinari

(57) Abstract:

The present invention provides a crushing device for grit manufacture that can be operated by a single driving source and that crushes metal material in a stable manner while maintaining a high durability. The present invention is a crushing device for grit manufacture in which the metal material is crushed between a pair of metal rolls (16 18) arranged in parallel so as to be capable of rotation and grit is manufactured. One of the metal rolls is the driving roll (16) which is driven to rotate by a driving source (66) connected by a drive belt (74) and the other metal roll is the driven roll (18). The driven roll (18) is arranged between the driving roll (16) and the driving source (66) in a plane parallel to the orbital plane of the drive belt (74).

No. of Pages: 37 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: ELECTRICAL INSULATION SYSTEM

(51) International classification :H01B3/30,H0 (31) Priority Document No :11189288.1 (32) Priority Date :16/11/2011 :EPO

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2012/068328 Filing Date :18/09/2012

(87) International Publication No :WO 2013/072098 (61) Patent of Addition to Application :NA

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

:H01B3/30,H01B3/40,H01B3/42 (71)Name of Applicant :

1)ABB RESEARCH LTD

(21) Application No.3543/CHENP/2014 A

Address of Applicant :Affolternstrasse 44 CH 8050 Z1/4rich

Switzerland

(72)Name of Inventor:

1)BJ-RKLUND Anders 2)SAHL‰N Fredrik 3)HILLBORG Henrik

#### (57) Abstract:

23232323An electrical insulation system comprises a first insulation layer (60) comprising a first polymer and a first filler in the form of nanoparticles and a second insulation layer (70) comprising a second polymer and a second filler in the form of chromium oxide CrO iron oxide FeO or a mixture of chromium oxide and iron oxide. At least one of the first and the second insulation layers (60 70) is in the form of a solid and flat sheet. By an insulation system combining the first insulation layer with well dispersed nanoparticles and the second insulation layer filled with CrO particles and/or FeO particles a synergetic effect of the two insulation layers provides an excellent shield and resistance of the insulation system against electrical discharges. The sheet material allows anybody to put together an insulation system without any special equipment.

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

(21) Application No.120/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :14/01/2008 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MEASURING STRAIGHTNESS OF AN ELONGATED ROLLED WORKPIECE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:c21D :102007059185.5 :06/12/2007 :Germany :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)SMS MEER GMBH  Address of Applicant: OHLERKIRCHWEG 66, D-41069  MONCHENGLADBACH Germany (72)Name of Inventor:  1)DAUBE, THOMAS  2)NERZAK, THOMAS
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An elongated wox]q>iace is treated, e.g. rolled, in a production system where treatment devices move the worliece longitudinally in a horizontal travel direction and at a generally constant travel speed along a horizontal longitudinal path and a control ccaaputer is connected to the treatment devices. Straightness of the worlqpioe is measured by gripping the workpiece at a pair of longitudinally spaced svorts, applying tension to a longitudinally extending horizontal portion of the worliece between the supports, and continuously moving the wor]q>iece in the travel direction at the travel speed with a lower surface of the portion substantially unsuorted. At least periodically a vertical spacing is measured between the portion and a straight longitudinal reference line extending in the direction between the surts parallel to the worlcpiece at the supports. The vertical-spacing measurement are fed to the contputer for use controlling the devices.

No. of Pages: 18 No. of Claims: 17

(21) Application No.1394/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CURRENT COLLECTOR TABS AND CONNECTION PINS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M :NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: NO. 29, HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India (72)Name of Inventor:  1)FAHMIDA NAZNIN  2)SAMRAJ JABEZ DHINAGAR
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## (57) Abstract:

The present invention discloses a novel metallic current collector tab design and a way of joining the current collector tabs to foam based electrode substrates. The current collector tab is connected to the porous substrate using a 4- or more-leg connection pin which is stapled to the electrode tab using a press. The foam based substrates are three-dimensional porous structures made of either polymeric or metallic foams and the resulting electrodes can serve as either positive or negative electrodes for primary as well as secondary electrochemical cells. A two-way current collector tab is also disclosed which can provide better mechanical support and electrical connection to the foam based electrode substrate in addition to providing better performance. Figure 4

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

(21) Application No.1395/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CAPACITY BALANCING BATTERY CELL

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (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) NA	0 (71)Name of Applicant: 1)TVS MOTOR COMPANY LIMITED Address of Applicant:NO. 29, HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India (72)Name of Inventor: 1)FAHMIDA NAZNIN 2)SAMRAJ JABEZ DHINAGAR
(62) Divisional to Application Number :NA Filing Date :NA	

## (57) Abstract:

The present invention discloses a capacity balancing lithium based battery cell 100 which includes lithium-ion, lithium-polymer and solid-state lithium batteries. The capacity balancing cell 100 consists of an additional capacity balancing electrode CBE 113 apart from the usual cathode 109 and anode 103 that can provide Li+ to the cathode 109 in case of capacity loss as a result of loss of recyclable Li+, referred to as negative capacity fade (C) and extracts excess Li+ from the cathode in case of capacity fade due to the loss of electrode active material, referred to as positive capacity fade (C+). The cathode of the disclosed cell 100 consists of a porous electrode substrate and the final wounded prismatic cell consists of three terminals arising out the tabs from the anode current collector 101, porous cathode substrate 107 and the capacity balancing electrode (CBE) current collector 115. A way of determining the type of capacity fade by measuring SOC of the individual electrodes is also disclosed.

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

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: CONGRUENCE BASED PIN WHEEL AUTHENTICATION (CPWAP) FOR WIRELESS SENSOR NETWORKS

(51) International classification	:H04W12/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SASTRA University
(32) Priority Date	:NA	Address of Applicant :Tirumalaisamudram, Thanjavur 613 401,
(33) Name of priority country	:NA	Tamil Nadu, India Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MANIVANNAN, D.
(87) International Publication No	: NA	2)KUMAR, S. Arvind
(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 a system for establishing an authentication between a first communication device and a second communication device of a wireless sensor network is disclosed. The method includes receiving an authentication request from a first communication device and performing two levels of the authentication for the first communication device. Based on the results of the two levels of the authentication, a communication channel is established between the first and the second communication device.

No. of Pages: 31 No. of Claims: 22

(21) Application No.3584/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: WELD METAL HAVING EXCELLENT TEMPER EMBRITTLEMENT RESISTANCE

(51) International classification	:B23K35/30,C22C38/26,C22C38/54 :2011254318	` /
(31) Priority Document No		1)KABUSHIKI KAISHA KOBE SEIKO SHO(KOBE STEEL
(32) Priority Date	:21/11/2011	LTD.)
(33) Name of priority country	:Japan	Address of Applicant :10 26 Wakinohama cho 2 chome Chuo ku
(86) International Application No	:PCT/JP2012/080170	Kobe shi Hyogo 6518585 Japan
Filing Date	:21/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/077356	1)NAKO Hidenori
(61) Patent of Addition to	:NA	2)YAMASHITA Ken
Application Number	1-1	3)OTSU Minoru
Filing Date	:NA	4)TANIGUCHI Genichi
(62) Divisional to Application	:NA	5)SAKATA Mikihiro
Number	1-1	
Filing Date	:NA	

## (57) Abstract:

A weld metal according to the present invention has a specified chemical component composition wherein the value (A) defined by formula (1) is 0.12 or greater and the number of carbide particles each having an equivalent circle diameter of more than 0.5  $\mu$ m contained in the weld metal per grain boundary length is 0.25 particles/ $\mu$ m or less. Value (A) = ([V]/51+[Nb]/93)/([Cr]/52+[Mo]/96) (1) In the formula [V] [Nb] [Cr] and [Mo] represent the contents (mass%) of V Nb Cr and Mo respectively in the weld metal.

No. of Pages: 38 No. of Claims: 4

(21) Application No.3681/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PROCESS OF DETERMINATION OF A SEMI FINISHED BLANK

(51) International classification	:G02C7/02	(71)Name of Applicant:
(31) Priority Document No	:11 60443	1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE
(32) Priority Date	:16/11/2011	DOPTIQUE)
(33) Name of priority country	:France	Address of Applicant :147 rue de Paris F 94220 Charenton Le Pont
(86) International Application No	:PCT/EP2012/072217	France
Filing Date	:09/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/072249	1)SAHLER Jean
(61) Patent of Addition to Application Number	:NA	2)LADOUS Agn"s
Filing Date	:NA	3)AMIR Bruno
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a semi finished lens blank having two defined faces assembled together a first face being intended for producing lenses in a first subset of wearer data and/or frame data and a second face being intended for producing lenses in a second subset of wearer data and/or frame data. The number of semi finished lens blanks for a given line can thus be reduced.

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

(21) Application No.3682/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: A METHOD FOR DETERMINING AN OPHTHALMIC LENS

(51) International classification	·G02C7/02 G02C7/06	(71)Name of Applicant:
(31) Priority Document No	:EP11306501	1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE
(32) Priority Date	:16/11/2011	DOPTIQUE)
(33) Name of priority country	:EPO	Address of Applicant :147 rue de Paris F 94220 Charenton le Pont
(86) International Application No	:PCT/EP2012/072679	1
Filing Date	:15/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/072396	1)MURADORE Fabien
(61) Patent of Addition to Application Number	:NA	2)DE ROSSI HI"ne
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ttyNYNYnThe invention relates to a method for determining an ophthalmic lens wherein: a first and a second reference axes (G G2) are determined the first reference axis being set to a value comprised between [ $20^{\circ} + 20^{\circ}$ ] with t being the mean axis of astigmatism over a first temporal portion (Portion I) and the second reference axis being set to a value comprised between [ $20^{\circ} + 20^{\circ}$ ] with being the mean axis of astigmatism over a second nasal portion (Portion 2); a combined reference axis (G) is determined as a linear combination of the first and second reference axes; over the first portion the sphere value along the combined reference axis is superior to the sphere value along a perpendicular axis to the combined reference axis (Formula I); and over the second portion the sphere value along the combined reference axis is superior to the sphere value along a perpendicular axis to the combined reference axis (Formula I). The method enables an improved distortion without degrading the performance in term of correction of the optical power defect and optical residual astigmatism. This results in an increased comfort for the wearer. The invention further relates to a progressive ophthalmic lens a set of apparatuses for manufacturing a pair of ophthalmic lense a set of data a computer program product and a computer readable medium associated to this method.

No. of Pages: 80 No. of Claims: 28

(21) Application No.3782/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : LOW DENSITY ETHYLENE BASED POLYMERS WITH BROAD MOLECULAR WEIGHT DISTRIBUTIONS AND LOW EXTRACTABLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:C08L23/06,C08L23/08,C09D123/06 :61/563186 :23/11/2011 :U.S.A. :PCT/US2012/064284 :09/11/2012 :WO 2013/078018 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)DOW GLOBAL TECHNOLOGIES LLC     Address of Applicant: 2040 Dow Center Midland MI 48674 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)BERBEE Otto J.</li> <li>2)DEN DOELDER Cornelis F. J.</li> <li>3)HINRICHS Stefan</li> <li>4)KARJALA Teresa P.</li> </ul>
Number Filing Date	:NA :NA	

#### (57) Abstract:

536 3 The invention provides an ethylene based polymer comprising the following properties: a) a melt index (12) > 2.0 dg/min; b) a Mw(abs) versus 12 relationship: Mw(abs) < A + B(I2) where A = 2.40 x 10 g/mole and B = 8.00 x 10 (g/mole)/(dg/min); and c) a G versus 12 relationship: G > C + D(I2) where C = 127.5 Pa and D = 1.25 Pa/(dg/min). The invention also provides an ethylene based polymer comprising the following properties: a) a melt index (12) > 2.0 dg/min; b) a G versus 12 relationship: G > C + D(I2) where C = 127.5 Pa and D = 1.25 Pa/(dg/min) c) a chloroform extractable (Clext) versus G relationship: Clext. < E + FG where E = 0.20 wt% and F = 0.060 wt% / Pa; and d) a weight fraction (w) of molecular weight greater than 10 g/mole based on the total weight of polymer and as determined by GPC(abs) that meets the following relationship: w < I + J(I2) where I = 0.080 and J = 4.00 x 10min/dg.

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

(21) Application No.3551/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

# $(54) \ Title \ of \ the \ invention: METHOD \ APPARATUS \ AND \ SYSTEM \ FOR \ OPTIMIZING \ PERFORMANCE \ OF \ A \ COMMUNICATION \ UNIT \ BY \ A \ REMOTE \ SERVER$

(51) International classification	:H04L1/00,H04L1/20	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT INC.
(32) Priority Date	:NA	Address of Applicant :333 Twin Dolphin Drive Redwood City CA
(33) Name of priority country	:NA	94065 U.S.A.
(86) International Application No	:PCT/US2011/060265	(72)Name of Inventor:
Filing Date	:10/11/2011	1)RHEE Wonjong
(87) International Publication No	:WO 2013/070232	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

Described herein are apparatus system and method for optimizing performance of one or more communication units by a remote server. The method comprises: collecting data from the one or more communication units; generating a policy for each of the one or more communication units based on the collected data; and sending the policy to each of the one or more communication units wherein the policy comprises conditions for operation of the one or more communication units wherein the policy according to time varying data. The system comprises: one or more communication units; and a server operable to communicate with the one or more communication units wherein the server comprises: a memory; and a processor coupled to the memory and operable to perform the method discussed above.

No. of Pages: 44 No. of Claims: 52

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COORDINATED MULTIPOINT TRANSMISSION AND RECEPTION (COMP)

(51) International classification	:H04B7/04,H04J11/00	(71)Name of Applicant:
(31) Priority Document No	:61/675541	1)NEC LABORATORIES AMERICA INC.
(32) Priority Date	:25/07/2012	Address of Applicant :4 Independence Way Suite 200 Princeton NJ
(33) Name of priority country	:U.S.A.	08540 U.S.A.
(86) International Application No	:PCT/US2013/052067	(72)Name of Inventor:
Filing Date	:25/07/2013	1)YUE Guosen
(87) International Publication No	:WO 2014/018756	2)PRASAD Narayan
(61) Patent of Addition to Application Number	:NA	3)JIANG Meilong
Filing Date	:NA	4)RANGARAJAN Sampath
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A communications method implemented in a transmission point (TP) used in a coordinated multipoint transmission and reception (CoMP) system is disclosed. The communications method includes transmitting to a user equipment (UE) an indication of a channel state information (CSI) process in a CSI pattern comprising a set of CSI processes wherein the UE is configured with the CSI process for at least one of the other CSI processes in the CSI pattern and wherein a reported rank indication (RI) for the CSI process is the same as an RI for said at least one of the other CSI processes. Other methods apparatuses and systems are also disclosed.

No. of Pages: 133 No. of Claims: 41

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : METHOD FOR DEVELOPING A LONG TERM STRATEGY FOR ALLOCATING A SUPPLY OF LIQUEFIED NATURAL GAS

(51) International classification	:G06Q10/00	(71)Name of Applicant:
(31) Priority Document No	:61/568908	1)EXXONMOBIL UPSTREAM RESEARCH COMPANY
(32) Priority Date	:09/12/2011	Address of Applicant :CORP URC SW359 P.O. Box 2189 Houston
(33) Name of priority country	:U.S.A.	TX 77252 2189 U.S.A.
(86) International Application No	:PCT/US2012/065305	(72)Name of Inventor:
Filing Date	:15/11/2012	1)FURMAN Kevin C.
(87) International Publication No	:WO 2013/085689	2)GOEL Vikas
(61) Patent of Addition to Application Number	:NA	3)HODA Samid A.
Filing Date	:NA	4)NICOLAS Sawaya
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method is disclosed for developing a long term strategy for allocating a supply of liquefied natural gas (LNG) while adhering to limitations of available shipping capacity An LNG market is modeled using one or more optimization models. The LNG market includes at least one buyer of LNG at least one seller of LNG and at least one means of transporting LNG. A plurality of inputs relevant to the LNG market are accepted. The inputs are configured to be input into the optimization models. One or more solution algorithms are interfaced with the optimization models. The optimization models are run using the interfaced solution algorithms to identify potential options in the LNG market. Uncertainty is accounted for in the identified potential options. The identified potential options are outputted.

No. of Pages: 105 No. of Claims: 26

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A COMPOSITION COMPRISING OF ANTHOCYANIN AND 7, 8, 4-TRIHYDROXY ISOFLAVONE AND USES THEREOF

(51) International classification :A6 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	Address of Applicant :ITC Life Sciences & Technology Centre, #3, 1st Main, Peenya Industrial Area, Phase 1, Bangalore 560058 Karnataka India (72)Name of Inventor: 1)FATIMA, Humaira 2)DEVAN, Sabarinathan 3)DIXIT, Ajay Kumar 4)Nandakumar KS 5)RADHAKRISHNAN Vashwanth
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## (57) Abstract:

The present disclosure relates to a composition comprising of at least one natural plant extract and 7,8,4-trihydroxy isoflavone, wherein said composition synergistically enhances inhibition of alpha-glucosidase activity for maintenance of metabolic health. Also provided are formulations for the same, and methods of maintaining metabolic homeostasis.

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

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention : A MEDICINAL COMPOSITION OF EXTRACT OF SEED OF EMBLICA OFFICINALIS AND METHOD OF PREPARING THE SAME

(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANTONY, Benny
(32) Priority Date	:NA	Address of Applicant :Parecattil House, Kidangoor P.O, Angamaly
(33) Name of priority country	:NA	683572, Kerala State India Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANTONY, Benny
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A composition having an extract of seed of Emblica officinalis. Methods of preparing extract of seed of Emblica officinalis. An amla seed blend composition having various ratios of extracts of seeds of Emblica officinalis. Nutraceutical or pharmaceutical methods for decreasing the total cholesterol, decreasing triglyceride, decreasing blood glucose level, enhancing HDL-C levels, increasing the HDL-C level to total cholesterol ratio, lowering LDL- C levels, decreasing the CRP level, decreasing the intima media thickening, reducing hair fall in mammals especially human beings. The extract of seed of Emblica officinalis, or the amla seed blend composition is more effective compared to extracts prepared from fruits of Emblica officinalis.

No. of Pages: 86 No. of Claims: 17

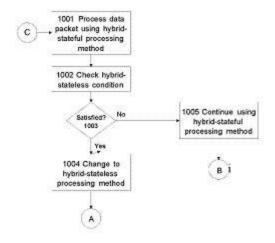
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: METHODS TO COMBINE STATELESS AND STATEFUL SERVER LOAD BALANCING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/280336 :24/10/2011 :Burkina Faso :PCT/US2012/060317 :15/10/2012 :WO 2013/070391 :NA	(71)Name of Applicant:  1)A10 NETWORKS INC. Address of Applicant: 3 Plumeria San Jose CA 95131 U.S.A. (72)Name of Inventor:  1)JALAN Rajkumar 2)XU Feilong 3)KANNAN Lalgudi Narayanan 4)SZETO Ronald Wai Lun
<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	4)SZETO Ronald Wai Lun
Filing Date	:NA	

## (57) Abstract:

The processing of data packets sent over a communication session between a host and a server by a service gateway includes: processing a data packet using a current hybrid stateful or hybrid stateless processing method; checking whether a hybrid stateless or hybrid stateful condition is satisfied; when the condition is satisfied changing from a hybrid stateful to a hybrid stateless processing method or vice versa for a subsequently received data packet; and otherwise continue processing the subsequently received data packet using the current hybrid processing method.



No. of Pages: 48 No. of Claims: 23

(21) Application No.1478/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A SYSTEM FOR AGITATION OF ROOT CROPS

(51) International classification :A0	G (71)Name of Applicant:
(31) Priority Document No :NA	1)TRACTORS AND FARM EQUIPMENT LIMITED
(32) Priority Date :NA	Address of Applicant :NO. 861, ANNA SALAI, CHENNAI - 600 002
(33) Name of priority country :NA	Tamil Nadu India
(86) International Application No :NA	(72)Name of Inventor:
Filing Date :NA	1)S N MURTHY CHEGONDI
(87) International Publication No : NA	2)ARUN KUMAR L
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

## (57) Abstract:

ABSTRACT A system for agitation of root crops is disclosed. Said system comprises a support structure (100) onto which a conveyor belt assembly (200) is removably attached. Said supporting structure comprising a main frame assembly (101), a plurality of plummer blocks(102), including a first plummer block, a second plummer block, and a third plummer block, wherein the first plummer block being associated with a conveyor drive shaft(103) about which a plurality of sprockets(104) being capable of rotating; the second plummer block being associated with an agitation mechanism and a vibrator shaft(106); the third plummer block being associated with a roller shaft(111) about which a guiding roller(108) being capable of rotating; and a cam driving assembly(109). said cam driving assembly(109) comprising a plurality of pulleys about which a drive belt is capable of rotating, a motor(112), and a belt tensioner(110) that keeps the drive belt under a state of tension. (Figure to be published along with abstract: Figure 1)

No. of Pages: 17 No. of Claims: 20

(22) Date of filing of Application :01/04/2014

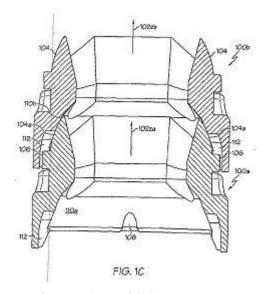
(43) Publication Date: 25/09/2015

# (54) Title of the invention : HIGHLY ARTICULATED PROBES WITH ANTI TWIST LINK ARRANGEMENT METHODS OF FORMATION THEREOF AND METHODS OF PERFORMING MEDICAL PROCEDURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B25J9/06,B25J17/00 :61/534032 :13/09/2011 :U.S.A. :PCT/US2012/054802 :12/09/2012 :WO 2013/039999 :NA :NA :NA	(71)Name of Applicant:  1)MEDROBOTICS CORPORATION Address of Applicant: 475 Paramount Drive Raynham Massachusetts 02767 U.S.A. (72)Name of Inventor: 1)OYOLA Arnold 2)ZUBIATE Brett 3)WHIPPLE Dale 4)STAND Joseph A. 5)DIDOMENICO Robert 6)KENNEFICK William H. 7)FLAHERTY J. Christopher
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#### (57) Abstract:

An articulating probe comprises a first mechanism including a first link comprising a first longitudinal axis a first articulation surface and a first motion limiting element; and a second link comprising a second longitudinal axis a second articulation surface and a second motion limiting element. An articulation joint comprises the first articulation surface and the second articulation surface and constructed and arranged to allow two degree of freedom articulation of the second link relative to the first link. A motion resisting assembly comprises the first motion limiting element and the second motion limiting element wherein the motion resisting assembly is constructed and arranged to resist rotation of the second link about the second longitudinal axis relative to the first longitudinal axis of the first link.



No. of Pages: 90 No. of Claims: 169

(22) Date of filing of Application :05/04/2013

(43) Publication Date: 25/09/2015

## (54) Title of the invention: METHOD FOR MITIGATING NARROW BAND INTERFERENCE IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING BASED SYSTEMS

(51) International classification :	:H04B	(71)Name of Applicant:
(31) Priority Document No :	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE
(32) Priority Date :	:NA	LIMITED
(33) Name of priority country :	:NA	Address of Applicant :BAGMANE LAKEVIEW, BLOCK 'B', NO.
(86) International Application No :	:NA	66/1, BAGMANE TECH PARK, C V RAMAN NAGAR,
Filing Date :	:NA	BYRASANDRA, BANGALORE - 560 093 Karnataka India
(87) International Publication No :	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number :	:NA	1)THEJASWI PS, CHANDRASHEKHAR
Filing Date :	:NA	2)ARUNAN, THENMOZHI
(62) Divisional to Application Number :	:NA	
Filing Date :	:NA	

#### (57) Abstract:

A method and system of handling narrow band interference in wide band data transmission is disclosed. According to the method of handling narrow band interface in orthogonal frequency division multiplexed (OFDM) signal comprising encoding a plurality of data to a pre-defined number of symbols at a transmitter, estimating a power deviation of each of plurality of sub-channels of the OFDM signal by a receiver, based on received signal power and a pre-defined power threshold, categorizing the plurality of sub-channels of the OFDM signal as a plurality of good sub-channels and a plurality of bad sub-channels based on the estimated power deviation and decoding a plurality of symbol from the plurality of good sub-channel. Further, another aspect of present invention discloses an OFDM transmitter and receiver adapted for decoding data from the sub channels having less interference. Figure 1

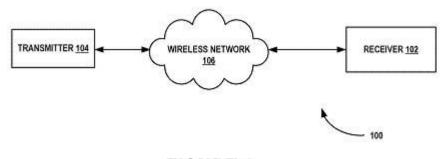


FIGURE 1

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

(21) Application No.59/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :08/01/2008

(43) Publication Date: 25/09/2015

## (54) Title of the invention: UNIVERSAL POWER ADAPTER/CONVERTER

(24) 2	g.o.g	
(51) International classification	:G09G	(71)Name of Applicant:
(31) Priority Document No	:07100258.0	1)MODERN SENSE LIMITED
(32) Priority Date	:08/01/2007	Address of Applicant :2/F, FLAT B, HOP LUNG FACTORY
(33) Name of priority country	:Hongkong(China)	BUILDING, 1 MONG LUNG STREET, SHAUKEIWAN, HONG
(86) International Application No	:NA	KONG SAR China
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SO, KAM WAH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A universal power adapter has an input for receiving an input voltage from a power source and an output for supplying an output voltage selected from amongst two or more preset voltages. A voltage converter circuit converts between the input voltage and the two or more preset voltages. A connector tip connectable with the output connects one of the two or more preset voltages to the output.

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

(22) Date of filing of Application :01/04/2013

(43) Publication Date: 25/09/2015

# $(54) \ Title\ of\ the\ invention: A\ NOVEL\ COMPOSITION\ COMPRISING\ THERMOTOLERANT\ AND\ SALINETOLERANT\ TRICHODERMA\ ASPERELLUM$

(51) Intermedical electrical	. A O 1 N I	(71)Nome of Annihom 4
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH
(32) Priority Date	:NA	(ICAR); DIRECTORATE OF OILSEEDS RESEARCH
(33) Name of priority country	:NA	Address of Applicant :INDIAN COUNCIL OF AGRICULTURAL
(86) International Application No	:NA	RESEARCH-DIRECTORATE OF OILSEEDS RESEARCH,
Filing Date	:NA	RAJENDRANAGAR, HYDERABAD - 500 030 Andhra Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. RAVULAPALLI DURGA PRASAD
Filing Date	:NA	2)DR. V. DINESH KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a composition comprising a Trichoderma asperellum TaDOR 673 isolate and optionally a carrier, diluent or an adjuvant, wherein the Trichoderma asperellum TaDOR 673 isolate is a thermotolerant and a saline-tolerant isolate. This novel isolate functions effectively as a biocontrol agent and a plant growth promoting agent capable of inducing abiotic stress tolerance in plants.

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

(21) Application No.1469/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AUDIO PROCESSOR 2 HYBIRD (AD2) FOR AIRBORNE UHF COMMUNICATION SYSTEM

(51) International classification (31) Priority Document No	:G01S :NA	(71)Name of Applicant : 1)SLRDC, HAL, AVIONICSDIVISION
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR,
(86) International Application No	:NA	HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHORAGUDI ASHOK KUMAR
(61) Patent of Addition to Application Number	:NA	2)AMRUTHAM JITHENDRA KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Modern airborne systems shall be of less in weight and size. To reduce the size and weight, Hybrid Micro Electronic Technology is used in UHF Communication System. Audio Processor 2 Hybrid (AD2) shall process the detected audio comes out from Receiver Module. Processing includes High Pass Filtering, Low Pass Filtering and Comparator circuitry. High Pass Filter stage is used to process the noise above 3.5Khz and Low Pass Filter is used to process the signal. Based on the strengths, detector circuit generates DC voltage and given to comparator to generate positive voltage or negative voltage. This will in turn switches ON or OFF the audio gate.

No. of Pages: 8 No. of Claims: 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2013

(21) Application No.2165/CHENP/2013 A

(43) Publication Date: 25/09/2015

## (54) Title of the invention: PHOSPHOLIPID DEPOT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:27/08/2010 :WO/2012/023955 :NA :NA :NA	(71)Name of Applicant:  1)DR. REDDY,S LABORATORIES LTD  Address of Applicant:7-1-27, AMEERPET, HYDERABAD -500016  Andhra Pradesh India (72)Name of Inventor:  1)CHEN, HAILIANG
Filing Date	:NA	

## (57) Abstract:

The present invention provides a clear depot comprising at least one hydrophilic water-soluble pharmaceutically active agent selected from the group consisting of vancomycin, gentamicin, a pharmaceutically acceptable salt thereof and a mixture thereof, water, a phospholipid, an oil, optionally a pH adjusting agent, and a viscosity modifying agent selected from the group consisting of ethanol, isopropanol, and a mixture thereof, wherein the water present in the depot is no more than about 4 wt % relative to the total weight of the depot and the depot has a pH of between about 3 and about 6, method of making and administering same.

No. of Pages: 65 No. of Claims: 47

(22) Date of filing of Application :02/07/2013

(43) Publication Date: 25/09/2015

# (54) Title of the invention : TOPICAL FORMULATION COMPRISING MORINDA TINCTORIA AND ALLIUM SATIVUM FOR WOUND HEALING

(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SASTRA University
(32) Priority Date	:NA	Address of Applicant: Tirumalaisamudram, Thanjavur 613 401,
(33) Name of priority country	:NA	Tamil Nadu, India Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BALAGURU, R. John Bosco
(87) International Publication No	: NA	2)BRINDHA, P.
(61) Patent of Addition to Application Number	:NA	3)SENTHILKUMAR, S.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

No. of Pages: 23 No. of Claims: 9

The present invention relates to topical formulations for use in wound healing comprising Morinda tinctoria, Allium sativum and lime.

(21) Application No.3083/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A BINARY PROCESS FOR MANUFACTURE OF DIPPED LATEX PRODUCTS

(51) International classification	:C08J5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TTK Protective Devices Limited
(32) Priority Date	:NA	Address of Applicant :No. 6, Cathedral Road, Chennai 600086, India
(33) Name of priority country	:NA	Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. WILLIAM D POTTER
(87) International Publication No	: NA	2)BALASUBRAMANIAN, N.
(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 binary process for manufacturing dipped latex product. The binary process disclosed herein eliminates the influence of any level of pre-vulcanization on the outcome of the dipping process whether using natural or synthetic latex. The binary process includes preparing a first latex mixture Formulation A comprising latex, one or accelerators, and one or more surfactants, and preparing a second latex mixture Formulation B comprising latex, one or more curing agents, and one or more surfactants. Further, dipping one or more formers into the Formulation A and B separately in order to form a plurality of coatings/layers of the Formulation A and B, and later on curing the plurality of coatings/layers on the formers to form the dipped latex products, which can be a condom, glove, balloon, catheter, finger cot, surgical tubing, baby bottle nipple or dental dam.

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

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: A METHOD OF SYNTHESISING INTERMETALLIC COMPOUNDS AND APPLICATIONS THEREOF

(51) International classification	:C01B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JAWAHARLAL NEHRU CENTRE FOR ADVANCED
(32) Priority Date	:NA	SCIENTIFIC RESEARCH
(33) Name of priority country	:NA	Address of Applicant :Jakkur, Bangalore 560064, Karnataka, India
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SEBASTIAN CHIRAMBATTE PETER
(61) Patent of Addition to Application Number	:NA	2)PRADEEP PRASANNAMURTHY SHANBOGH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to a method of synthesizing intermetallic nanoparticle with a crystal structure of NiAs type, wherein said method is a modified polyol method. The disclosure particularly discloses NiSb, CoSb, NiPb PdSb and other intermetallic compounds having a similar structure type, synthesized by the above said method and also describes the catalytic activity of the said intermetallic nanoparticle. The modified polyol method of the instant disclosure is rapid and cost effective when compared to the conventional methods employed to synthesize the intermetallic nanoparticles.

No. of Pages: 42 No. of Claims: 10

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ELECTRONIC CHARGING 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>	:G01R31/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SRI BHARADWAJ TECHNOMATERIALS PVT LTD  Address of Applicant: F 91-92 SIPCOT INDUSTRIAL COMPLEX, GUMMIDIPOONDI 601 201 Tamil Nadu India (72)Name of Inventor:  1)SANTHOSH MATHEW
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an electronic charging system for enhancing the performance and safety of a storage device, said system comprising of central control unit for choosing one or more power sources of energy based on a user determined set level; sensor; storage device; switching mechanism; and inverter for feeding power directly to a load. The central control unit is connected to two or more of the power sources along with the storage device and the load. The sensor is connected to the storage device and output information is relayed to the central control unit, which determines and indicates State of Charge (SoC) and State of Health (SoH) of the storage device. Toggling of one or more sources of power is achieved by the switching mechanism which prevents sparking and thereby ensures that the switching happens at zero point of AC signal only.

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

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TIMING ESTIMATION BASED ON USER EQUIPMENT REFERENCE SIGNALS

:H04L27/26	(71)Name of Applicant:
:61/570661	1)QUALCOMM INCORPORATED
:14/12/2011	Address of Applicant :Attn: International IP Administration 5775
:U.S.A.	Morehouse Drive San Diego CA 92121 1714 U.S.A.
:PCT/US2012/065577	(72)Name of Inventor:
:16/11/2012	1)HUANG Yi
:WO 2013/089970	2)LUO Tao
:NA	3)YOO Taesang
:NA	4)LUO Xiliang
:NA	
:NA	
	:61/570661 :14/12/2011 :U.S.A. :PCT/US2012/065577 :16/11/2012 :WO 2013/089970 :NA :NA

## (57) Abstract:

Estimation of timing errors is disclosed that uses user equipment reference signals (UERSs). A UE models each channel in a user equipment reference signal (UERS) as a channel on an adjacent UERS tone multiplied by a phase ramping term. This phase ramping term is determined using an estimator on the modeled channels. The UE then determines the equivalent timing error by mapping the phase ramping terms into the estimated timing errors in the time domain. In coordinated multipoint (CoMP) systems the UERS based timing error may be used to identify an aligned common reference signal (CRS) associated with the network entity transmitting the data. With this determination the UE may estimate a CRS based timing error and either substitute the CRS based timing error for the UERS based timing error or calculate a further average timing error based on both the CRS based timing errors.

No. of Pages: 43 No. of Claims: 28

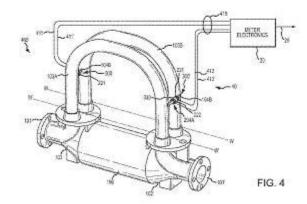
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: COLLOCATED SENSOR FOR A VIBRATING FLUID METER

(51) International classification	:G01F1/84	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MICRO MOTION INC.
(32) Priority Date	:NA	Address of Applicant :7070 Winchester Circle Boulder Colorado
(33) Name of priority country	:NA	80301 U.S.A.
(86) International Application No	:PCT/US2011/057859	(72)Name of Inventor:
Filing Date	:26/10/2011	1)LARSEN Christopher George
(87) International Publication No	:WO 2013/062538	2)RENSING Matthew Joseph
(61) Patent of Addition to Application Number	:NA	3)NILSEN Amy Mai
Filing Date	:NA	4)LOVING Roger Scott
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A combined driver and pick off sensor component (200 300) for a vibrating meter is provided. The combined driver and pick off sensor component (200 300) includes a magnet portion (104B) with at least a first magnet (211). The combined driver and pick off sensor component (200 300) further includes a coil portion (204A 304A) receiving at least a portion of the first magnet (211). The coil portion (204A 304A) includes a coil bobbin (220) a driver wire (221) wound around the coil bobbin (220).



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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

#### (54) Title of the invention: TWT COLLECTOR POWER SUPPLY FOR POWER AMPLIFIER UNIT OF MULTIMODE RADAR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SLRDC, HAL, AVIONICSDIVISION Address of Applicant: AGM(D), SLRDC, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	1)RAMESH JAYARAMAN 2)HEERENDRA YADAV
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The TWT collector power supply is one of the sub-modules of the Power Amplifier Unit of multimode radar. The purpose of the Collector supply is to provide a well, regulated high voltage of 14 KVDC to the collector of the TWT (Travelling Wave Tube). The input to the unit is a DC voltage of 270 V nominal. The output of the unit is a 14KV DC which is a regulated voltage suitable for the Collector of the TWT. The first stage which is a switching regulator circuit whose design is Pulse Width Modulator (PWM) based. In order to handle higher power, POWER MO\$FETs are used as switching devices which are controlled by the PWM IC. The switching frequency of the converter is 60KHz. The frequency can be controlled by the RC network connected to the PWM IC. The power dissipated by the switching MO\$FETs and the freewheeling diode in the form of heat is transferred to the cassette in which the MO\$FETs are mounted. This heat is in turn removed by the cooling air. The control and drive circuits are based accordingly. Protection features are provided in case of output over-current or short circuits. The second or intermediate stage is a bridge inverter stage which generates at its output 200V square wave pulses. The inverter bridges consist of eight power MO\$FETs. The third or final stage consists of High Voltage generation section. The high voltage section Consists of two high voltage transformers, full-wave voltage doubler, high voltage transformer. The secondary winding from the two transformers are separately connected to a full-wave voltage doubler. High voltage capacitors help in reducing the droop in output voltage. The high voltage dc output thus produced is applied to the TWT through limiting resistors.

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

(21) Application No.1465/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: HYBIRD SEARCH TRACK LOGIC MODULE (M6) FOR RADIOALTIMETER

(51) International classification	:G01S	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SLRDC, HAL, AVIONICSDIVISION
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR,
(86) International Application No	:NA	HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VISWANATHAN THYAGARAJAN
(61) Patent of Addition to Application Number	:NA	2)RATNAKARAM JAYANTHI
Filing Date	:NA	3)LANDA SRINIVAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The Hybrid Search Track Logic module(M6) is used in Radio altimeter generates required search/track control and other logic signals derived from the saw-tooth signal for controlling the operation of the radio altimeter. The module was realised in the form of Hybrid IC by redesigning the module using miniature SMD components by which the advantage of size reduction and reliability improvement is achieved on the airborne equipment.

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

(21) Application No.1392/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN IMPROVED PROCESS FOR PREPARING LH-RH AGONISTS

(51) T	G05111 (00	(71)
(51) International classification	:C07/H1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :THE WATER MARK BUILDING, PLOT NO.
(33) Name of priority country	:NA	11, SURVEY NO. 9, KONDAPUR, HITECH CITY, HYDERABAD -
(86) International Application No	:NA	500 084 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)AMINUL ISLAM
(61) Patent of Addition to Application Number	:NA	2)MEENAKSHISUNDERAM SIVAKUMARAN
Filing Date	:NA	3)DUSSA NAGESWAR
(62) Divisional to Application Number	:NA	4)KAKI GOWRI SANKAR RAO
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a process for the preparation of pure Tribenoside (I), wherein 1,2-O-isopropylidene-a-D-glucofuranose (II) and 3,5,6-tri-O-benzyl-I,2-O-(l-methylethylidene-a-D-glucofuranose (III) intermediates are purified and used in the preparation of Tribenoside. The present invention is also directed towards a process for the preparation of pure Tribenoside (I), wherein Tribenoside (I) is purified by using simple silica column chromatography.

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

(22) Date of filing of Application :16/10/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention : AN IMPROVED MULTIAXIS SOLAR PANEL MODULE MOUNTING STRUCTURE AND METHOD FOR DIURNAL AND SEASONAL 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F24J2/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Popuri Himamsu  Address of Applicant: Eeva IP & IT Services Pvt Ltd, Plot No 201, H-No: 6-3-347/22/8, Dwarakapuri Colony, Panjagutta, Hyderabad. Andhra Pradesh India  2)KROTHAPALLI HARISH CHOWDARY  3)DASARI SRIRAM  4)PACHIPULUSU NIKHIL BABU  5)MAGANTI SRINIVAS RAO  (72)Name of Inventor:  1)Pachipulusu Nikhil Babu  2)Popuri Himamsu  3)Boggavarapu Chowdary Charan  4)Medipally Hari Krishna
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#### (57) Abstract:

Abstract of the Invention A dual axis tracker with plurality of vertical supports, bearings, connector plates connected to a rafter is been disclosed. The connector plates are placed on top of a rear support to support one or more telescopic bracings by using bearings to connect the rafter on the rear support is disclosed. The structural design is flexible provided with tilting about a plurality of axes, facilitating the daily and seasonal tracking of the sun<sup>TM</sup>s rays. Each of the plurality of rafters is made of a tube section supported on to a plurality of bracing that are normal to their axis.

No. of Pages: 18 No. of Claims: 7

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: MULTI RADIO COEXISTENCE

(51) International classification	:H04W72/12	(71)Name of Applicant :
(31) Priority Document No	:61/576296	1)QUALCOMM INCORPORATED
(32) Priority Date	:15/12/2011	Address of Applicant :ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2012/069288	(72)Name of Inventor:
Filing Date	:12/12/2012	1)WANG Jibing
(87) International Publication No	:WO 2013/090453	2)KADOUS Tamer Adel
(61) Patent of Addition to Application Number	:NA	3)MANTRAVADI Ashok
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

To comport with specific absorption rate (SAR) requirements for a transmitting multi radio mobile device transmissions of the multiple radios may be duplexed to ensure compliance with communication regulations. Duplexing of transmissions may occur if overall transmissions exceed a particular threshold value. The duplexing may be opportunistic or deterministic.

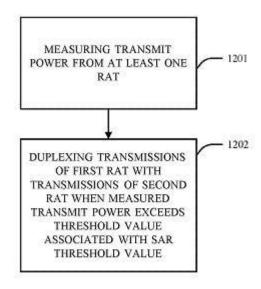


FIG. 12

No. of Pages: 41 No. of Claims: 20

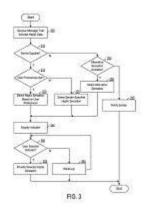
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SENSATION ENHANCED MESSAGING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/568052 :07/12/2011	(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)DAS Saumitra Mohan  2)SRIDHARA Vinay  3)SHEYNBLAT Leonid
<ul><li>(61) Patent of Addition to Application Number Filing Date</li><li>(62) Divisional to Application Number Filing Date</li></ul>		

## (57) Abstract:

Methods apparatuses systems and computer readable media for providing sensation enhanced messaging are presented. According to one or more aspects a computing device may receive an electronic message and the electronic message may include sender specified haptic data that identifies at least one non vibratory haptic sensation to be provided to a recipient of the electronic message. Subsequently the computing device may cause haptic feedback to be provided to a user based on the sender specified haptic data. In at least one arrangement the at least one non vibratory haptic sensation may include one or more pressure characteristics texture characteristics wetness characteristics adhesion characteristics thermal characteristics and/or movement characteristics.



No. of Pages: 50 No. of Claims: 52

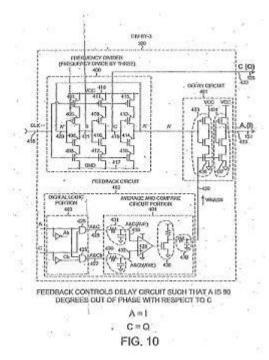
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: DIVIDE-BY-THREE QUADRATURE FREQUENCY DIVIDER

(51) International classification :H03K23/40 (71)Name of Applicant: (31) Priority Document No :12/193,693 1)Qualcomm Incorporated (32) Priority Date :18/08/2008 Address of Applicant: International IP Administration, 5775 (33) Name of priority country Morehouse Drive, San Diego, CA 92121-1714, USA U.S.A. :U.S.A. (86) International Application No :PCT/US2009/054211 (72)Name of Inventor: Filing Date :18/08/2009 1)DONGJIANG QIAO (87) International Publication No :WO/2010/022092 2)FREDERIC BOSSU (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :1310/CHENP/2011 Filed on :24/02/2011

## (57) Abstract:

A local oscillator includes a programmable frequency divider coupled to the output of a VCO. The frequency divider can be set to frequency divide by three. Regardless of the divisor, the frequency divider outputs quadrature signals (I, Q) that differ from each other in phase by ninety degrees. To divide by three, the frequency divider includes a divide-by-three frequency divider. The divide-by-three frequency divider includes a divide-by-three circuit, a delay circuit, and a feedback circuit. The divide-by-three circuit frequency divides a signal from the VCO and generates therefrom three signals C, A and B that differ from each other in phase by one hundred twenty degrees. The delay circuit delays signal A to generate a delayed version A of the signal A. The feedback circuit controls the delay circuit such that the delayed version A (I) is ninety degrees out of phase with respect to the signal C (Q).



No. of Pages: 26 No. of Claims: 18

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PROCESS FOR THE PRODUCTION OF CHLORINATED ALKANES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C17/10,C07C19/01 :61/562025 :21/11/2011 :U.S.A. :PCT/US2012/064792 :13/11/2012 :WO 2013/078035 :NA :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland Michigan 48674 U.S.A. (72)Name of Inventor: 1)GRANDBOIS Matthew Lee 2)KRUPER William J. Jr.
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## (57) Abstract:

Processes for the production of chlorinated alkanes are provided. The present processes comprise reacting one or more mono and/or dichloroalkanes to form tri tetra and/or pentachloroalkanes with high regioselectivity. In those embodiments wherein a dichloroalkane is desirably utilized it may advantageously be a vicinal dichloroalkane. Further only one catalyst is utilized. The present processes make use of sulfuryl chloride as a chlorinating agent rather than a gaseous chlorinating agent such as chlorine gas. Finally the process uses lower intensity process conditions than at least some conventional processes and thus operating costs are saved.

No. of Pages: 12 No. of Claims: 14

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BUFFER HYBRID FOR AIRBORNE UHF COMMUNICATION SYSTEM

(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	(71)Name of Applicant:  1)SLRDC, HAL, AVIONICSDIVISION Address of Applicant: AGM(D), SLRDC, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor:  1)CHORAGUDI ASHOK KUMAR 2)GADDALA SUNKANNA
8	NA	
Tr	NA NA	

## (57) Abstract:

Modern airborne systems shall be of less in weight and size. To reduce the size and weight, Hybrid Micro Electronic Technology is used in UHF Communication System. Buffer Hybrid routes the generated the RF signal to Transmit path during Transmit mode and receive path during receive mode of system operation. Isolation between Transmit path and receive path is achieved through RF pin diodes in reverse biased condition. It takes RF input, Tx command and Rx command as inputs. This RF input is routed according to the command. Routing is achieved using RF pin diodes in forward biased condition. Transistor circuit is used as a switch to provide high and low commands inside the hybrid. A Logic High command provides logic low at transistor circuit output and there by providing forward bias to the RF pin diode to pass the RF signal out. A logic low command provides logic high signal after transistor circuit there by providing reverse bias to the RF pin diode and blocks the RF signal.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ARINC SWITCHING PCB USED IN TEST JIG FOR TESTING OF AIRBORNE COMMUNICATION EQUIPMENT

(51) International classification	:g01r	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SLRDC, HAL, AVIONICSDIVISION
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR,
(86) International Application No	:NA	HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NEERAJ KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		·

## (57) Abstract:

ARINC SWITCHING PCB used in System Test Jig for testing of Airborne Communication Equipment (1) Provides testing of Stand alone Mode Testing of TxRx Unit, (2) Provides stand alone testing of Dual Controllers (3) Provides Integrated Mode of testing of TxRx Unit and Controllers.

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

(21) Application No.4527/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: PLAINLESS INTRAMUSCULAR NOZZLE GUN (PIN GUN)

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJALAKSHMI ENGINEERING COLLEGE
(32) Priority Date	:NA	Address of Applicant :RAJALAKSHMI NAGAR, THANDALAM,
(33) Name of priority country	:NA	CHENNAI - 602 105 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAIKANTH M C
(87) International Publication No	: NA	2)JAIVIGNESH S
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT The present invention discloses a method and apparatus for providing painless mode of drug or vaccine injection into the patients skin with the help of a pain free intramuscular nozzle type gun injection device (PIN GUN). The PIN GUN device includes a vacuum chamber with a hollow plunger for delivering the drug into the skin using low suction pressure. The PIN Gun injector can be used to deliver drugs or biological products with enhanced safety, improved dosing accuracy and increased patient compliance, particularly in self-administration settings.

No. of Pages: 16 No. of Claims: 8

(21) Application No.1391/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/03/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF SITAGLIPTIN AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C07D487/00 :NA :NA :NA :NA :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)LAURUS LABS PRIVATE LTD  Address of Applicant: 2ND FLOOR, SERENE CHAMBERS ROAD,  #7, BANJARA HILLS, HYDERABAD - 500 034 Andhra Pradesh India (72)Name of Inventor:  1)RAVINDRA BABU BOLLU  2)SATHYANARAYANA SWARGAM  3)VEERA VENKATA KRISHNA KISHORE JAMMULA  4)VENKATA SUNIL KUMAR INDUKURI  5)SEETA RAMANJANEYULU GORANTLA  6)Sathyanarayana CHAVA  7)Sathyanarayana CHAVA
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(57) Abstract:

ABSTRACT: The present invention relates to an improved process for the preparation of sitagliptin and pharmaceutically acceptable salts thereof.

No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :21/03/2014

## (43) Publication Date: 25/09/2015

## (54) Title of the invention: WIRELESS WEARABLE VITAL AND ACTIVITY TRACKER

(51) International classification	:A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AMERICAN MEGATRENDS INDIA PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :KUMARAN NAGAR, SEMMENCHERY,
(33) Name of priority country	:NA	OFF OLD MAHABALIPURAM ROAD, CHENNAI Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIVEK VISWANATHAN
(87) International Publication No	: NA	2)SUBHAJIT ROY
(61) Patent of Addition to Application Number	:NA	3)SRIDHARAN MANI
Filing Date	:NA	4)J. ANANTHARAMAN
(62) Divisional to Application Number	:NA	5)M. MOHMED ANEES
Filing Date	:NA	6)KETHARAMAN GOWRISANKARAN

## (57) Abstract:

A method for measuring a combination of Human Body Vital parameters including ECG, Blood Oxygen level, Cuffless Blood Pressure measurement, Temperature, Activity tracker including pedometer and sleep monitor. The calculated data is transmitted remotely via a

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

(22) Date of filing of Application :19/05/2014

(43) Publication Date: 25/09/2015

1)ARDEA BIOSCIENCES, INC.

(71)Name of Applicant:

## (54) Title of the invention: S-TRIAZOLYL AMERCAPTOACETANILIDES AS INHIBITORS OF HIV REVERSE TRANSCRIPTASE

:1232/CHENP/2007

:25/08/2005

(51) International classification :A61K 31/4196 (31) Priority Document No :60/604,219 (32) Priority Date :25/08/2004 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2005/030259 Filing Date :25/08/2005 (87) International Publication No :WO/2006/026356 (61) Patent of Addition to Application Number :NA Filing Date :NA

Address of Applicant :3300 Hyland Avenue, Costa Mesa, CA 92626, USA U.S.A.
(72)Name of Inventor:
1)GIRARDET, Jean-Luc
2)KOH, Yung-hyo
3)DE LA ROSA, Martha

4)GUNIC, Esmir 5)HONG, Zhi 6)LANG, Stanley 7)KIM, HongWoo

(57) Abstract:

Filed on

Please see the attachment



No. of Pages: 69 No. of Claims: 15

(62) Divisional to Application Number

(22) Date of filing of Application :31/12/2013 (43) Publication Date : 25/09/2015

## (54) Title of the invention: N- METHYLPYRROLIDININE HYDROPEROXIDE AS AN EFFICIENT EPOXIDATIN REAGENT

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS
(32) Priority Date	:NA	Address of Applicant :IIT P.O. CHENNAI - 600 036 Tamil Nadu
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. KANNOTH MANHERI MURALEEDHARAN
(87) International Publication No	: NA	2)DR.NAPOLEON JOHN VICTOR
(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 N-Methylpyrrolidinone hydroperoxide mediated functionalization reactions in organic chemistry. Further the invention relates to the development of N-Methyl-2-pyrrolidinone 5-hydroperoxide as an efficient reagent for epoxidation of activated olefins in presence of bases such as CS2CO3 or K2CO3. The developed methodology has short reaction time, exhibits excellent diastereoselectivity in systems having allylic hydroxyl or -NH groups. discriminates hetero-atoms like nitrogen and sulfur from oxidation and provides high yields.

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

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR RETAIL MANAGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q30/00 :NA :NA	(71)Name of Applicant:  1)IBBHAN TECHNOLOGIES PVT LTD  Address of Applicant:59/1, L R BUNDE ROAD,
(33) Name of priority country		KAVALBYRASANDRA, R.T. NAGAR (PO), BANGALORE - 560 032
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PUVAIAHH KODENDERA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The embodiments of the present invention provide an integrated retail management system for providing a complete enterprise solution in solving the demanding challenges of warehouse distribution, manufacturing and retailing. The method comprises receiving products or items from suppliers or vendors; storing the products or items obtained from the vendors in the inventory of the warehouse; transferring products or items to the inventory of outlets or shops; creating purchase orders and requisitions for purchasing products/items from vendors; improving customers shopping experiences and satisfaction by tracking customer information and choices; automatically generating reports and analytics and sharing the generated reports with the retail owner or administrator in real-time; effectively tracking vendors, employee sales performance, inventories, Point of Sale transactions and much more. The retail management system provides tools and modules for improving operational performance and increase profitability while allowing for endless customization and tailoring. t

No. of Pages: 63 No. of Claims: 26

(43) Publication Date: 25/09/2015

(19) INDIA

(22) Date of filing of Application :20/03/2014

## (54) Title of the invention: A METHOD AND SYSTEM FOR ACCESSING DIGITAL PROTECTED WEB CONTENT

(51) International classification	:G06F21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44, ELECTRONICS
(33) Name of priority country	:NA	CITY, HOSUR ROAD, BANGALORE 560 100 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHIKHA GUPTA
(87) International Publication No	: NA	2)RAVI SANKAR VEERUBHOTLA
(61) Patent of Addition to Application Number	:NA	3)DR. ASHUTOSH SAXENA
Filing Date	:NA	4)MR. HARIGOPAL K.B. PONNAPALLI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure provides method for accessing digital web content. It provides for selective access rights for users, to a web content. When the user tries to retrieve the data, the system checks for the rights available to the user, and accordingly implements the access before providing the content. REF FIG: 1

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

(43) Publication Date: 25/09/2015

(19) INDIA

(22) Date of filing of Application :20/03/2014

## (54) Title of the invention : METHODS AND SYSTEMS FOR PROVIDING TELECOMMUNICATION SERVICES FROM DISPARATE TELECOMMUNICATION SERVICE PROVIDERS

(51) International classification :H04L12/00 (71)Name of Applicant : (31) Priority Document No :NA	
(22) Priority Data Address of Applicant JD CELL DLOT NO 44 ELECTRONIC	
(32) Priority Date :NA Address of Applicant :IP CELL, PLOT NO.44, ELECTRONIC	C CITY,
(33) Name of priority country :NA HOSUR ROAD, BANGALORE - 560 100 Karnataka India	
(86) International Application No :NA (72)Name of Inventor :	
Filing Date :NA 1)VENKAT MKR	
(87) International Publication No : NA 2)ANIL NAGPAL	
(61) Patent of Addition to Application Number :NA 3)ANANTA PAVAN KUMAR GIDUGU	
Filing Date :NA 4)THRILOK SN	
(62) Divisional to Application Number :NA	
Filing Date :NA	

#### (57) Abstract:

The technique relates to a method and system for providing a plurality of telecommunication services from disparate telecommunication service providers. This technique involves authenticating the client at the time of login to the system based on the received user credentials from the client. Displaying a list of available telecommunication services and service providers to the authenticated client and prompting the client to select one or more telecommunication services and service providers from whom the client wishes to avail the selected services. Once the client selects the desired services and service providers, it generates a service request and forward the same to the APIs of the selected service providers for rendering the selected services. REF FIG: 1

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

(21) Application No.1486/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/03/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention: CONVENIENT ELECTRONIC COMMERCE

(51) International classification	:G06Q20/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO.44, ELECTRONIC CITY,
(33) Name of priority country	:NA	HOSUR ROAD, BANGALORE - 560 100 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VISHNUDATTA HARIHARA KESHAVAMURTHY
(87) International Publication No	: NA	2)SOHIN VALLABHAJI SAVLA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

[0044] A method of increasing customer convenience in electronic commerce includes displaying a virtual inventory on a social media service, creating an association between an end user and one of a product and service linked to an organization on the social media service, collecting a set of preferences of the user onto a computer database, processing the end user preferences into a computer storage location, sending a notification to a mobile device linked to the end user, collecting user authentication at a physical location to disburse payment from an account linked to the end user on the social media service and on successful authentication from a computer server associated with the physical location, accepting a payment from an end user linked account into an organization linked account. REF FIG: 1

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

(21) Application No.795/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR EDUCATION MANAGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	(71)Name of Applicant:  1)IBBHAN TECHNOLOGIES PVT LTD Address of Applicant:59/1, L R BUNDE ROAD, KAVALBYRASANDRA, R.T. NAGAR (PO), BANGALORE - 560 032 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PUVAIAHH KODENDERA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT The various embodiments of the present invention provide an integrated education management system and method for an educational institution. The system and method combines the evolution of software and the internet for the purpose of improving education by fostering an environment for communicating, managing, controlling and monitoring various departments of an institution. The system and method is comprehensive web-based portal to provide better interaction between stake holders like, students, teachers, parents and management. The system is accessed by stake holders from anywhere in the world. The system and method provides facilities to keep the records of student, fees, teaching and non-teaching staff with all their required details along with all required transaction handling. The system generates various types of reports, which are required by the management during normal business operations to operate the business effectively. The system and method is easy to use and configure.

No. of Pages: 56 No. of Claims: 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3749/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: ANTISENSE MODULATION OF GCCR EXPRESSION

(51) International classification	:C12N15/11,C07H21/04,C12N5/00	(71)Name of Applicant:
(31) Priority Document No	:61/551378	1)ISIS PHARMACEUTICALS INC.
(32) Priority Date	:25/10/2011	Address of Applicant :2855 Gazelle Court Carlsbad CA 92010 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2012/061984	1)FREIER Susan M.
Filing Date	:25/10/2012	2)BHANOT Sanjay
(87) International Publication No	:WO 2013/063313	
(61) Patent of Addition to Application	n:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.IVA	

## (57) Abstract:

Provided herein are methods compounds and compositions for reducing expression of GCCR mRNA and protein in an animal. Such methods compounds and compositions are useful to treat prevent delay or ameliorate metabolic disease for example diabetes or a symptom thereof.

No. of Pages: 187 No. of Claims: 52

(21) Application No.1506/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: BOTTOM COVER MOUNTING IN A 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	:B62J1/00 :NA
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## (57) Abstract:

The present subject matter discloses a saddle type vehicle (1) with a swinging engine (24) and a bottom cover (60), where the bottom cover (60) is supported on the vehicle through a three point mounting. The bottom cover (60) has a front portion (61), a rear portion (63) and a rearmost portion (69). The front portion (61) of the bottom cover is supported on the vehicle frame through a primary bracket (65) which is sandwich mounted between a holding bracket (20) of the front panel (17) and a support bracket (35) of a lateral pipe (34) of the vehicle frame. The rear portion (63) of the bottom cover rests on and hangs from a rear pipe (37) of the vehicle frame. The rearmost portion (69) of the bottom cover (60) is secured to a side trim member (14). [Abstract to be published with FIG. 6]

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

(21) Application No.4589/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/10/2013 (43) Publication Date : 25/09/2015

## $(54) \ Title \ of the invention: SN-ALLOY \ NANOPARTICLE \ CARBON \ ONE-DIMENSIONAL \ ASSEMBLIES \ FOR \ RECHARGEABLE \ BATTERIES$

(51) International classification	:H01M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Indian Institute of Science
(32) Priority Date	:NA	Address of Applicant :Solid State and Structural Chemistry Unit,
(33) Name of priority country	:NA	Indian Institute of Science Bangalore, Karnataka 560012, India Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BHATTACHARYYA, Aninda J.
(61) Patent of Addition to Application Number	:NA	2)REDDY, Konda Shiva
Filing Date	:NA	3)Rajendra H. B.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
T.L		I .

## (57) Abstract:

An integrated method for synthesis of Sn-alloy nanoparticle assembly embedded inside one-dimensional porous carbon nanostructures such as carbon fibers, using an electrochemical technique coupled with an optimized heat sintering protocol is disclosed in the present invention. The Sn-alloy nanoparticle assembly arranged inside one-dimensional porous carbon structures is used as an electrode system in secondary batteries, particularly as an anode in various battery chemistries such as lithium, sodium, metal-air systems, and the like.

No. of Pages: 34 No. of Claims: 8

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: TWT CATHODE POWER SUPPLY FOR POWER AMPLIFIER UNIT OF MULTIMODE RADAR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02M3/00 :NA :NA	(71)Name of Applicant:  1)SLRDC, HAL, AVIONICSDIVISION  Address of Applicant: AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR,
(86) International Application No	:NA	HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAMESH JAYARAMAN
(61) Patent of Addition to Application Number	:NA	2)HEERENDRA YADAV
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The TWT cathode power supply is one of the sub-modules of the Power Amplifier Unit of multimode radar. The purpose of the Cathode supply is to provide a well, tightly regulated high voltage of -22 KVDC to the cathode of the TWT (Travelling Wave Tube). The input to the unit is a DC voltage of 270 V nominal. The output of the unit is a -22K V DC which is a regulated voltage suitable for the Cathode of the TWT. The first stage which is a switching regulator circuit whose design is Pulse Width Modulator (PWM) based. In order to handle higher power, POWER MOSFETs are used as a switching device which is controlled by the PWM IC. The switching frequeity of the converter is 60KHz. The frequency can be controlled by the RC network connected to the PWM IC. The power dissipated by the switching MOSFETs and the freewheeling diode in the form of heat is transferred to the casette(housing) in which the MOSFETs are mounted. This heat is in turn removed by the cooling air circulated. The control and drive circuits are based accordingly. Protection features are provided in case of output over-current or short circuits.

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

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 25/09/2015

# (54) Title of the invention : METHOD AND A PORTABLE COMPUTING DEVICE (PCD) FOR EXPOSING A PERIPHERAL COMPONENT INTERFACE EXPRESS (PCIE) COUPLED DEVICE TO AN OPERATING SYSTEM OPERABLE ON THE PCD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F9/44 :61/567425 :06/12/2011 :U.S.A. :PCT/US2012/064171 :08/11/2012 :WO 2013/085668 :NA :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)AIKEN Craig A.  2)CHAMBERS Gerald J.  3)SHANKS Richard J.
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#### (57) Abstract:

In a portable computing device having a system on chip (SoC) Acorn RISC Machine (ARM) based resource architecture a peripheral component interconnect express (PCIe) bus is used to insert PCIe device memory into system memory absent a PCIe driver. During a PCIe initialization the contents of PCIe base address registers (BARs) are mapped or otherwise updated to coincide with values assigned to the PCIe device in the advanced configuration and power interface (ACPI) tables.

No. of Pages: 30 No. of Claims: 26

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 25/09/2015

## (54) Title of the invention : APPARATUS FOR WIRELESS DEVICE CHARGING USING RADIO FREQUENCY (RF) ENERGY AND DEVICE TO BE WIRELESSLY CHARGED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02J5/00,H02J7/02 :61/566894 :05/12/2011 :U.S.A. :PCT/US2012/067739 :04/12/2012 :WO 2013/085892 :NA :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)JENWATANAVET Jatupum  2)OZAKI Ernest T.  3)LOW Zhen Ning
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#### (57) Abstract:

An apparatus for wireless charging using radio frequency (RF) energy includes a first charger portion having first and second charging areas. The first and second charging areas are located in a common plane each having at least one coil for wirelessly charging a charge receiving device placed in proximity thereto. The coils include respective windings which are wound in opposing directions each coil being connected in series each coil configured to charge at least one charge receiving device. A second charger portion has a third charging area having at least one coil including a winding for wirelessly charging a charge receiving device placed in proximity to the third charging area the coil in the third charging area being connected in series with the coils in the first and second charging areas the third charging area located in a plane that is orthogonal to the plane of the first and second charging areas.

No. of Pages: 40 No. of Claims: 33

(21) Application No.3397/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 25/09/2015

## (54) Title of the invention: INFRA-RED STOVE FOR CHARCOAL PLATFORM BASED COOKING SYSTEM THROUGH GAS MEDIUM

## (57) Abstract:

In one or more embodiment, an Infra-red stove for charcoal platform based cooking system through gas medium includes a burner is encased with a metal case having a chamber connected to conical funnel which has jet connection which in turn connected with the gas cylinder through a regulator and a valve where gas mixed with oxygen gets deposited, multiple thin layer of mesh with small pores around are placed above the chamber to spread the gas evenly, a thick mesh is placed above the multiple thin mesh, a metal ring to seal the metal case with the thin meshes and a thick mesh, when the gas mixed with oxygen burns, it heats the thick surface of the mesh and the immediate one layer of thin mesh producing extreme heated air which moves upward, and converts into red hot color producing infra red energy for heating process.

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

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention : OPTICAL FIBER CABLE WITH ATTACHED CONNECTOR AND METHOD OF ASSEMBLING OPTICAL FIBER CABLE WITH ATTACHED CONNECTOR

		(71)Name of Applicant :
		1)FUJIKURA LTD.
(51) T	C02D ( /2 ( C02D ( /4 4	/
(51) International classification	:G02B6/36,G02B6/44	Address of Applicant :5 1 Kiba 1 chome Koto ku Tokyo 1358512
(31) Priority Document No	:2011259495	Japan
(32) Priority Date	:28/11/2011	2)NIPPON TELEGRAPH AND TELEPHONE CORPORATION
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2012/080492	1)TAKAHASHI Shigeo
Filing Date	:26/11/2012	2)YAMAGUCHI Takashi
(87) International Publication No	:WO 2013/080923	3)MIYAZAKI Tatsumi
(61) Patent of Addition to Application Number	:NA	4)TAKIZAWA Kazuhiro
Filing Date	:NA	5)NUMATA Tetsuhiro
(62) Divisional to Application Number	:NA	6)TAKAMIZAWA Kazutoshi
Filing Date	:NA	7)DAIDO Atsushi
		8)SASAKI Tadashi
		9)MINAMI Hayato

#### (57) Abstract:

This optical fiber cable with attached connector has an optical connector assembled on the leading end part of an optical fiber cable said optical connector having a ferrule in which the optical fiber which protrudes from the terminal of the leading end part is inserted and fixed. An integral reinforcing part is formed in the optical connector by the rear end part of the ferrule an optical fiber cable leading end part which is positioned to the rear thereof with a gap therebetween and a thermal contraction tube which houses these and has a thermal weld bonding material positioned therein with the thermal contraction tube being heat compressed and the inner bonding material being melted and hardened.

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

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 25/09/2015

## (54) Title of the invention: AN ACCELERATED CODE OPTIMIZER FOR A MULTIENGINE MICROPROCESSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/US2011/061953 :22/11/2011 :WO 2013/077875 :NA :NA	(71)Name of Applicant:  1)SOFT MACHINES INC.  Address of Applicant: 3211 Scott Boulevard Suite 202 Santa Clara CA 95054 U.S.A. (72)Name of Inventor:  1)ABDALLAH Mohammad
Filing Date	:NA	

## (57) Abstract:

A method for accelerating code optimization a microprocessor. The method includes fetching an incoming microinstruction sequence using an instruction fetch component and transferring the fetched macroinstructions to a decoding component for decoding into microinstructions. Optimization processing is performed by reordering the microinstruction sequence into an optimized microinstruction sequence comprising a plurality of dependent code groups. The plurality of dependent code groups are then output to a plurality of engines of the microprocessor for execution in parallel. A copy of the optimized microinstruction sequence is stored into a sequence cache for subsequent use upon a subsequent hit optimized microinstruction sequence.

No. of Pages: 58 No. of Claims: 21

(21) Application No.3583/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 25/09/2015

# $(54) \ Title \ of \ the \ invention: MAGNETIC \ BIOMEDICAL \ SENSORS \ AND \ SENSING \ SYSTEM \ FOR \ HIGH \ THROUGHPUT \ BIOMOLECULE \ TESTING$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/549035 :19/10/2011 :U.S.A. :PCT/US2012/061156 :19/10/2012 :WO 2013/059692	(71)Name of Applicant:  1)REGENTS OF THE UNIVERSITY OF MINNESOTA Address of Applicant: 1000 Westgate Drive Suite 160 St. Paul MIN 55114 8658 U.S.A. (72)Name of Inventor:  1)WANG Jian Ping 2)RAHMAN M. Tofizur 3)WANG Yi
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### (57) Abstract:

A magnetic biosensor can include a magnetic stack comprising a free layer a fixed layer and a nonmagnetic layer between the free layer and the fixed layer. At least one of the free layer or the fixed layer may have a magnetic moment oriented out of a major plane of the free layer or the fixed layer respectively in an absence of an external magnetic field. The magnetic biosensor also may include a sample container disposed over the magnetic stack a plurality of capture antibodies attached to a bottom surface of the sample container above the magnetic stack and a magnetic field generator configured to generate a magnetic field substantially perpendicular to the major plane of the free layer or fixed layer.

No. of Pages: 81 No. of Claims: 41

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: MULTISOMES: ENCAPSULATED DROPLET 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> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:1119032.9 :03/11/2011 :U.K. :PCT/GB2012/052736 :02/11/2012 :WO 2013/064837 :NA	(71)Name of Applicant:  1)ISIS INNOVATION LIMITED  Address of Applicant: Ewert House Ewert Place Summertown Oxford Oxfordshire OX2 7SG U.K. (72)Name of Inventor:  1)BAYLEY John Hagan Pryce 2)HERON Andrew 3)VILLAR Gabriel
<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	3)VILLAR Gabriel

# (57) Abstract:

The invention provides a droplet encapsulate comprising: a drop of a hydrophobic medium; a peripheral layer of non polymeric amphipathic molecules around the surface of the drop; and an aqueous droplet within the peripheral layer the aqueous droplet comprising: (a) an aqueous medium and (b) an outer layer of non polymeric amphipathic molecules around the surface of the aqueous medium. The invention also provides processes for preparing the droplet encapsulates. Various uses of the droplet encapsulates are also described including their use as drug delivery vehicles in synthetic biology and in the study of membrane proteins.

No. of Pages: 103 No. of Claims: 118

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: OUTSIDE AIR TEMPERATURE PROBE FOR HELICOPTERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:G01B :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SLRDC, HAL, AVIONICSDIVISION Address of Applicant: AGM (D), SLRDC, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor:  1)POKKUNURI RAMA
<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)POKKUNURI RAMA 2)THANGI SIVA KUMAR

# (57) Abstract:

Outside Air Temperature (OAT) probe is an Aero Dynamic Structure intended to measure total air temperature. OAT Probe includes an inlet scoop which receives air flow from free stream air moving towards it. Some portion of the air flow entering the inlet scoop exits through vent holes provided over the circumference of the Probe. The remaining portion of the air flow touches the temperature sensor & exits through the vent holes thus sensing the air temperature. Vent holes are located at the rear end of the sensor thus creating room for sensing temperature.

No. of Pages: 8 No. of Claims: 2

(21) Application No.1377/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR PERFORMING TEST ON MECHANICAL COMPONENTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: DLF IT SEZ PARK, 2ND FLOOR-BLOCK 3  1/124, MOUNT POONAMALLE ROAD, RAMAPURAM, CHENNAI - 600 089 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHAILENDRA SHRIVASTAVA
(61) Patent of Addition to Application Number	:NA	2)AMITABH MOURYA
Filing Date	:NA	3)IQBAL HOSSAIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

SYSTEM AND METHOD FOR PERFORMING TEST ON MECHANICAL COMPONENTS According to embodiments of the invention a system and method for performing test on mechanical components is disclosed. The disclosed system includes at least one module for selecting type of test from a plurality of tests, at least one module checking the status of test being performed and at least one module for setting warning point. The system may further include an optional module to activate or deactivate alarm.

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : PROCESS FOR PRODUCING DRY POWDER AND PELLETS FORM OF BIO-FUEL TO GENERATE BIOGAS & PRODUCT PRODUCED THEREOF

(51) International classification	:F26B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MALLIKARJUNA MACHNOOR
(32) Priority Date	:NA	Address of Applicant :NO: 12-11-07, OPP: S.N.T. THEATRE, SATH
(33) Name of priority country	:NA	KUTHCERY ROAD, RAICHUR - 584 101 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MALLIKARJUNA MACHNOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present invention relates to process for production of dry powder and pellets form of the biofuel. It specifically relates to the process for production of dry powder and pellets form of biofuel for generation of biogas by processing the biodegradable waste which includes garbage and foliage. The process and product particularly relates to the production of alternative source of energy as biofuel by using the biodegradable wastes generated daily. It also particularly relates to the processing of biodegradable wastes in a properly well designed equipment & machineries to produce the dried biofuel in the form of powder and pellets. The process for producing dry biofuel to generate biogas, by processing biodegradable garbage & foliage comprising: a) Washing or cleaning of the biodegradable material, passing it through magnets to remove metal pieces. b) cutting, chopping and crushing of the cleaned biodegradable material at step (a) into small pieces; c) extraction of the juice/liquid from the cut or chopped or crushed biodegradable material at step (b); d) removing the moisture from the biodegradable material at step (c); e) the pulp or the biodegradable material after extracting the juice/liquid at step is fed into process of drying to get the dry form of biofuel. The dry bio-fuel to generate biogas which is obtained from the process comprising C: N ratio at 25:1 to 30 is either in the form of powder or pellets.

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

(22) Date of filing of Application :25/10/2013

(43) Publication Date: 25/09/2015

### (54) Title of the invention: REMOTE CONTROLLED INDUCTION COOK TOP

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H05B6/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)TTK Prestige Limited    Address of Applicant:11th Floor, Brigade Towers, No.135, Brigade Road, Bangaloe Karnataka India (72)Name of Inventor:
Filing Date	:NA	1)Janardhan Santosh
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

[0034] Abstract [0035] The present invention provides a Radio Frequency (RF) remotely controlled induction cook top, which comprises an induction cook top unit (100) and a remote control unit (200). The communication between the remote control unit (200) and the induction cook top unit (100) is established with a Sub-Giga Hertz Radio Frequency link and are paired to avoid cross communication. The pairing is done with a data pre-qualifier that is stored in a non volatile memory of the remote control unit (200) and a non volatile memory of the induction cook top (100). The remote control unit (200) and the base induction cook top (100) checks the pre-qualifier signal matching and the communication is established when the data pre-qualifier matches and communication is ignored if there is a mismatch of pre-qualifier.

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

(21) Application No.3743/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 25/09/2015

### (54) Title of the invention: USE OF COMB OR BLOCK COPOLYMERS AS SOIL ANTIREDEPOSITION AGENTS AND SOIL RELEASE AGENTS IN LAUNDRY PROCESSES

(51) International classification :C11D3/00,C11D3/37,C11D11/00 (71)Name of Applicant :

(31) Priority Document No :61/550936 (32) Priority Date :25/10/2011

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

:PCT/EP2012/071020 (86) International Application No Filing Date :24/10/2012

(87) International Publication No :WO 2013/060708

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

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

1)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

2)HENKEL AG & CO. KGAA

(72)Name of Inventor:

1)HAZENKAMP Menno

2)PIRRUNG Frank Oliver Heinrich

3)PERERA Dario

4)BARRELEIRO Paula

5)JUNKES Christa

6)VON RYBINSKI Wolfgang

#### (57) Abstract:

The present invention relates to the use of comb or block copolymers which have been prepared by controlled free radical polymerization as soil antiredeposition agents and soil release agents in laundry processes. Further aspects of the invention are a method for preventing soil redeposition and for easier releasing soil from textiles in laundry processes and detergent formulations containing said comb or block copolymers.

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

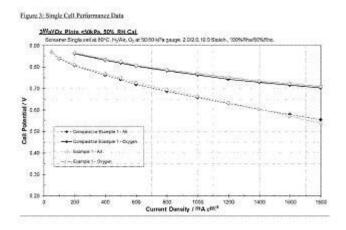
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ION CONDUCTING MEMBRANE

(51) International classification :H01M4/92,H01M8/10,H01M4/90 (71)Name of Applicant : (31) Priority Document No :1118288.8 1)JOHNSON MATTHEY FUEL CELLS LIMITED (32) Priority Date :24/10/2011 Address of Applicant :5th floor 25 Farringdon Street London EC4A (33) Name of priority country 4AB U.K. :U.K. (86) International Application No :PCT/GB2012/052636 (72)Name of Inventor: Filing Date :24/10/2012 1)OMALLEY Rachel Louise (87) International Publication No :WO 2013/061054 2)PERMOGOROV Nadia Michele (61) Patent of Addition to Application 3)PETCH Michael Ian :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

An ion conducting membrane comprising a first layer and a second layer wherein the first layer comprises a perfluorosulphonic acid polymer and the second layer comprises a sulphonated hydrocarbon polymer characterised in that the ion conducting membrane has a total thickness of from  $5\mu m$  to  $50\mu m$  and the second layer has a total thickness of  $2\mu m$  or less is disclosed.



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

(22) Date of filing of Application :12/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : 'A METHOD AND DEVICE FOR FABRICATION OF STEAM GENERATOR PACKAGE OF SUPER CRITICAL HIGH PRESSURE 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>	:B23K 37/00 :NA :NA :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGION CAL OPERATIONS DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091 HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA. West Bengal (72)Name of Inventor:  1)AMIRTHAM ANTHONY ADIMAI 2)MUTHUSAMY MURUGANANTHAM 3)CHITHRAJ JAYARAMAN 4)GANESAN SENTHILKUMAR 5)RAMAKRISHNAN VENKATARAMAN 6)RENGARAJU RAGUPATHY 7)GENGAN MOHAN
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### (57) Abstract:

The invention relates to a method of welding multi plane bend in auto welding machine. The invented device having horizontal pipe (01) having tapered opening of 60 degree to the horizontal axis with welded clamps (07) and curved clamps (12) in the vertical direction. The rectangular bars (02) fixed on the either side of the horizontal pipe (01). All the XYZ movements one arrested by the semi circular clamp (08) with adjustable screws (09) in the vertical direction, where in the horizontal direction the semi circular clamps (03) and (04) are positioned by adjustable screws (05) and (06) respectively. The work piece thus made is ready for fitting in the rotor body of the auto welding machine to carry out the SAW welding uniformly for the work piece having outside diameter 550mm with thickness of 70mm seamless pipe of having specification SA 335 P91 and SA 335 P12 and the weight of work piece is 5.5 tons/job.

No. of Pages: 11 No. of Claims: 4

12) TATENT ATTLICATION TODLICATION

(22) Date of filing of Application: 18/03/2014 (43) Publication Date: 25/09/2015

(54) Title of the invention: SMART ROBOTIC VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	7/00	(71)Name of Applicant:  1)INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG  Address of Applicant:INDIRA GANDHI INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, SARANG, DIST: DHENKANAL, ODISHA-
(86) International Application No Filing Date	:NA :NA	759146, INDIA (72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	1)DR. BIBHUTI BHUSAN CHOUDHURY
(61) Patent of Addition to Application Number	:NA	2)SOUMYA DASH
Filing Date	:NA	3)ABHISEK TRIPATHY
(62) Divisional to Application Number	:NA	4)RATNAKAR DASH
Filing Date	:NA	5)SIDDHANT MEHER

(21) Application No.330/KOL/2014 A

### (57) Abstract:

(19) INDIA

This work deals with the design of a battery operated Mobile Robot and development of various modes of its control. The Mobile Robot is operated in three different modes, Dual Tone Multi Frequency, Radio Frequency and ZigBee through Laptop thereby enabling a multi- dimensional control system. The Mobile Robot is a single seated carrier and also transport substantial amount of physical load for distances. It is a prototype of a multi-use robot having a wide range of applicability according to the requirement after suitable modifications. The mobile robot has the capability to move around in their environment while performing the given tasks and is not fixed to one location of installation. Various tests are conducted in the dynamic environment to evaluate its effectiveness and it is found that DTMF control system is more efficient then the other two. The analysis are also done by develop the solid model of the vehicle and determine the maximum force at the vehicle.

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

(21) Application No.294/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :13/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A SYSTEM FOR FLEXIBLE DESIGNING OF PALLETS IN A RACK-IN TYPE AIR CIRCUIT BREAKER(ACB) PANEL

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	19/00 :NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant:35, RUE JOSEPH MONIER, F-92500 RUEIL MALMAISON, FRANCE (72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)USHA KIRAN GOVINDARAJ
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention discloses a system for flexible designing of pallets in a rack-in type Air Circuit Breaker (ACB) panel including a first pallet configured to be plugged into the panel of the ACB for indicating an engaged (E) contact wherein both main circuit and control circuit are in connected position, a second pallet configured to be plugged into the panel of the ACB for indicating a test (T) contact, wherein the main circuit is disconnected position and the control circuit is connected position and a third pallet configured to be plugged into the panel of the ACB for indicating a disconnected (D) contact, wherein both the main circuit and control circuit are in disconnected position, wherein the first pallet, second pallet and third pallets allow to configure a predefined number and predefined combination of E, T and D contacts on the panel of the ACB based on wiring architecture and space requirement in the panel.

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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention : A FIXTURE FOR SAFE TRANSPORT OF INTERCEPTER VALVE (IV) AND CONTROL VALVE (CV) OF 660MW STEAM TURBINE.

		(71)Name of Applicant :
(51) Intermetional electification	:F16K	1)BHARAT HEAVY ELECTRICALS LIMITED
(51) International classification	27/00	Address of Applicant :REGIONAL OPERATIONS
(31) Priority Document No	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK, 3RD FLOOR,
(32) Priority Date	:NA	KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091,
(33) Name of priority country	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(86) International Application No	:NA	FORT, NEW DELHI - 110049, INDIA.West-Bengal
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHIVAM SARAN
(61) Patent of Addition to Application Number	:NA	2)LOKESH KUMAR
Filing Date	:NA	3)JATINDER MOHAN
(62) Divisional to Application Number	:NA	4)MANEESH BATRANI
Filing Date	:NA	5)MUKESH KUMAR VERMA
		6)RAJEEV RAWAT

### (57) Abstract:

The fixture for safe road transport of intercepter valve (IV) and control valve (CV) of 660MW steam turbine has a base (B) which is fabricated with square beams (2) using two channels for each of the square beams (2). These square beams (2) are cross connected with square beams (3) to make the base complete. Six vertical channels(4,5) have been welded to the base (B) for supporting the entire weight of IV & CV. Wooden neck supported by channels in two perpendicular directions are provided to prevent axial and lateral movement. Three semi-circular wooden blocks are disposed in the two pockets fabricated on the top of the vertical channels for the seating of IV and CV during transportation and storage at site.

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

(21) Application No.263/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: TAMPER EVIDENT FILMS

<ul> <li>(51) International classification</li> <li>(31) 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>	:H05K 1/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)A VERY DENNISON CORPORATION Address of Applicant: 207 GOODE A VENUE, GLENDALE, CALIFORNIA 91203 UNITED STATES OF AMERICA (72)Name of Inventor: 1)AKHTER, SOHAIL 2)DUBEY, ANIL KUMAR
(87) International Publication No	: NA	3)SHARMA, AMIT
(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 includes laminates and a tamper indication system. In some embodiments, the laminate and the tamper indication system may change color to indicate exposure of the laminate to an acrylic-based adhesive.

No. of Pages: 21 No. of Claims: 31

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention : A METHOD OF PRODUCING AN ABRASION AND EROSION RESISTANT BAUXITE BASED COMPOSITION FOR APPLICATIONS AS LINERS ON COAL ASH SLURRY HANDLING PIPES IN THERMAL POWER STATIONS'

(51) International classification	:C04B 35/00	(71)Name of Applicant: 1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :REGION CAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT,NEW DELHI - 110049, INDIA. West Bengal
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR LAKSHMI NARAYAN SATAPATHY
Filing Date	:NA	2)KRISHNAMOORTHI PRASAD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method of producing wear resistant ceramic liner at low sintering temperature consisting of wt. % of bauxite >88%, an aluminosilicate and oxide additive mixture not exceeding 12%, with organic binding adhesive of 5-10% concentration. The method comprising the steps of a) formulating a composition of Bauxite of specific alumina content with other additives, b) dry mixing in a high speed mixer of the said ingredients; c) pressing the moist powder in the form of tiles of different sizes and shaping by a hydraulic press; d) natural drying of the formed tiles; e) sintering the tiles in a continuous kiln at 1240-1260°C temperature to obtain an abrasion resistant tile of bulk density 3.0-3.15 g/cc and water absorption of < 0.1%, adjusted abrasion volume loss (AVL) of 13-16 mm3 and average air jet erosion value (AEV) of 0.44-0.46 mm3/g with homogenous dense microstructure. The material has potential as wear resistant low cost ceramic liner replacing the melt casted Basalt for ash handling application in thermal power plants.

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

(21) Application No.843/KOLNP/2010 A

(19) INDIA

(22) Date of filing of Application :05/03/2010 (43) Publication Date : 25/09/2015

(54) Title of the invention: VEHICLE SEAT

(51) International classification	:B60N2/427,B60N2/68	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TS TECH CO. LTD.
(32) Priority Date	:NA	Address of Applicant :7 27 Sakaecho 3 chome Asaka shi
(33) Name of priority country	:NA	Saitama 3510012 Japan
(86) International Application No	:PCT/JP2012/072388	(72)Name of Inventor:
Filing Date	:03/09/2012	1)FUJITA Satoshi
(87) International Publication No	:WO 2014/033963	2)ITOI Hiroyuki
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a vehicle seat capable of absorbing impact energy by deflecting and deforming when applied with impact energy during a rear end collision. The present invention pertains to a vehicle seat (S) provided with frame side parts (15a) which are located on the right and left sides of a seat back frame (1) and which extend in the vertical direction. The frame side parts (15a) are each provided with a first fragile part (150A) formed so as to extend from the rear end of the respective frame side part (15a) towards the front and a second fragile part (150B) formed at a position that is away from the first fragile part (150A) on the respective frame side parts (15a). The first fragile parts (150A) extend towards the formation positions of the second fragile parts (150B).

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

(22) Date of filing of Application :20/02/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention: CROSSOVER BIASING TECHNIQUE FOR QUAD INPUT DIFFERENTIAL AMPLIFIERS

(51) International classification	·H03F1/3211	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BUDHADITYA MAJUMDAR
(32) Priority Date	:NA	Address of Applicant :92 CHANDRAPALLY
(33) Name of priority country	:NA	NEWBARRACKPUR B2 KAMALASHREE APARTMENT 24
(86) International Application No	:PCT// /	PARGANAS NORTH West Bengal India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)BUDHADITYA MAJUMDAR
(61) Patent of Addition to Application Number	:NA	2)SUDIPTA CHAKRABORTY
Filing Date	:NA	3)HAFIZUR RAHAMAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A biasing circuit for a differential amplifier having quad inputs is provided. The biasing circuit has only two input terminals and a crossover technique is applied to provide necessary bias voltages and input signals accurately to all the four inputs terminals of the quad input differential amplifier without any loss to the actual input signal and negates the requirement of multiple offset voltage requirements of the quad input differential amplifier.



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

(22) Date of filing of Application :10/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : LIFTING HOOK, SAFETY LATCH OF LIFTING HOOK AND LOCKING AND RELEASING DEVICE OF SAFETY LATCH

<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>	:B66C 1/00 :NA :NA :NA	(71)Name of Applicant:  1)KONECRANES OYJ Address of Applicant:KONEENKATU 8 FI-05830 HYVINKÄÄ FINLAND (72)Name of Inventor:
(86) International Application No	:NA	1)CHOUDHARI, AMAR
Filing Date	:NA	2)DHARMADHIKARI, NILESH
(87) International Publication No	: NA	3)RAKSHE, AMIT
(61) Patent of Addition to Application Number	:NA	4)RANA, GAURAV
Filing Date	:NA	5)KUISMANEN, OLLI
(62) Divisional to Application Number	:NA	6)HOOVER, JACK
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a lifting hook, its safety latch and a locking and releas ing device of the safety latch. The lifting hook (1) comprises a hook body (2) having a hook stem (4) and tip (5). The safety latch (6) has a fastening end (7) and a free latch end (8), the fastening end of the safety latch being pivotably fastened close to the stem so as to move the safety latch between an open position and a closed position, the safety latch being in its open position sub stantially against the inside of the hook body in a position that leaves a hook jaw (G) free, while in the closed position the latch end extends across the hook jaw to the hook tip, closing the jaw on the inside thereof. A spring arranged be tween the safety latch and hook body forces the latch end into the closed position. The locking and releasing device (10) of the safety latch comprises a lock ing element (11) arranged on the back surface of the safety latch (6), which element in its locking position against the surface of the hook body engages the inner surface area of the hook jaw (G) at a distance below the fastening end (7) of the safety latch, and a releasing lever (12) that extends to the front side of the safety latch and, when turned, releases the locking element and, thus, allows the safety latch (6) to turn into its closed position.

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

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : HOT-ROLLED STEEL SHEET WITH TENSILE STRENGHT OF AT LEAST 590 MPA FOR AUTOMOTIVE APPLICATIONS AND METHOD FOR MANUFACTURING THE SAME

### (57) Abstract:

The present invention relates to a high-strength hot-rolled steel sheet with a minimum tensile strength of 590 MPa and method of manufacturing the same. The high-strength hot-rolled steel sheet of the current invention finds use in manufacturing automotive components such as suspension and chassis components and wheel rims. The method of manufacturing the hot-rolled steel sheet includes the steps of casting a steel slab in either a conventional or a thin slab caster and then reheating the cast slab to a temperature greater than 1100°C, hot rolling the slab such that finish rolling is done at a temperature (TFRT), such that TFRT varies in the range Ae3 - 50 (°C) to Ae3 + 50 (°C), where Ae3 is the temperature at which the transformation of austenite to ferrite starts at equilibrium, and then cooling at a cooling rate of 50 - 70°C/s till an intermediate temperature (TINT = Ae3 - 320 (°C) to Ae3 - 300 (°C)) is reached, followed by performing natural cooling till the coiling temperature (Tcr) is reached, and then coiling the steel sheet at TCT.

No. of Pages: 20 No. of Claims: 9

(21) Application No.335/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: BIOMETRIC TICKETING 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>	:G06Q 10/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)REHAN GUHA Address of Applicant:45, BOSE PUKUR PURBA PARA, KOLKATA-700107 W.BENGAL, INDIA (72)Name of Inventor: 1)REHAN GUHA
(87) International Publication 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 introduce fingerprint ticketing system in metro railway system by replacing RFID tickets. 1. Fingerprint tickets are more secure than RFID tickets. 2. In RFID tickets there is no data of the passengers who are travelling. But in fingerprint ticketing system we are taking record of all the passengers who are travelling, increasing the security. 3. The recurring cost of the whole system is reduced as here in the existing system we do have to replace the damaged/lost tickets. 4. In case of RFID tickets there remains a probability of losing the ticket, but in case of the finger print ticket there is no chance of losing it. 5. This can be connected to the National Identification database to investigate on a crime, terrorist movement, different type of social studies, population estimation, etc...

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

(21) Application No.331/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/03/2014 (43) Publication Date: 25/09/2015

## (54) Title of the invention: VISION BASED ROBOTIC ASSISTANCE 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>	9/00 :NA :NA	(71)Name of Applicant: 1)INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG Address of Applicant :INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG, DIST: DHENKANAL, ODISHA-
(86) International Application No	:NA	759146,INDIA
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor: 1)DR. BIBHUTI BHUSAN CHOUDHURY
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)DR. BIBHUTI BHUSAN BISWAL 3)SOUMYA DASH
(62) Divisional to Application Number Filing Date	:NA :NA	4)SIDDHANT MEHER

### (57) Abstract:

One of the main concern among robotic and control engineers is positioning the manipulators end- effector to the most accurate place and transparent the effect of disturbance and errors which will affect on manipulators final result. In the present work a six axis Industrial robot is overviewed and considered for the error analysis of joints by Simulation software. Each task is first evaluated by a kinematic analysis and the evaluation is done by robot programs like simulation software. From the result it is concluded that the time required to reach the end effector from initial Home all position to final goal position is reduces as the speed increases. However the rate variation of time with respect to speed is non-linear. An Inspection and measurement are analyzed the different methods and techniques that can be usefully employed in practical applications. It covers not only the image processing itself, but also using this visual inspection tasks including inspection, gauging, part presence, guidance, and counting. In this work, a new activity is proposed with framework analysis to facilitate the linearity inspection for a circular object using machine vision technique in which maximum efficiency can be achieved rather than using the image quality assessment model. After verification of the image, the signal is sent immediately to the Robot and proper action is taken to replace the object if it is a defective one.

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

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: ODOR-REDUCED PYRETHROID-ORGANOTHIOPHOSPHATE 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</li> </ul>	:A61K 9/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)FMC CORPORATION Address of Applicant:1735 MARKET STREET, PHILADELPHIA, PA 19103 UNITED STATES OF AMERICA (72)Name of Inventor: 1)GUOZHI WANG
Filing Date	:NA	2)JAMES WALTER
(87) International Publication No	: NA	3)KUMAR VANKAYALA
(61) Patent of Addition to Application Number	:NA	4)ELIZABETH WOLFF
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Microparticles comprising (a) a water-soluble solid organothiophosphate, (b) one or more odor-absorbing components, and (c) one or more odor-masking components are disclosed, as well as a method of making the microparticles, and odor-reduced insecticidal formulations comprising the microparticles. The microparticles and formulations can also contain other crop protection agents. Odor-reduced insecticidal formulations comprising (a) a pyrethroid, (b) an organothiophosphate, (c) one or more odor-absorbing components, and (d) one or more odor-masking components are also disclosed. Additionally disclosed is a method of reducing the odor of an organothiophosphate-containing formulation by incorporating one or more odor-absorbing components and one or more odor-masking components.

No. of Pages: 22 No. of Claims: 51

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 25/09/2015

### (54) Title of the invention: A SCREENING MEDIA COMPRISING BINARY MIXTURE OF SPHERES OR BEADS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B07B 1/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA STEEL LIMITED  Address of Applicant:RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- 831001, INDIA. Jharkhand (72)Name of Inventor:
Filing Date	:NA	1)RACHIT TIWARI
(87) International Publication No	: NA :NA	2)ASIM KUMAR MUKHERJEE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)ABHAY SHANKAR PATRA
(62) Divisional to Application Number Filing Date	:NA :NA	
<del></del>		<u> </u>

### (57) Abstract:

The present invention relates to a method of splitting the feed in to differing size products, wherein feed can be coal, metallic, non-metallic, mineral ores or the like. According to the method, binary mixture of spheres or beads is prepared which is characterized by its size ratio and percentage of large spheres in the mixture. The obtained binary mixture is then placed in a container which is open at one end and closed by a perforated plate at other end, to hold the binary mixture. Slurry containing coal or ore particles of different size fractions is fed from the open end and the coarse particles are deposited on the top and along the height of the binary mixture and an oversize fraction is obtained. Fine particles pass through the bed of binary mixture and collected as underflow of undersized material. The invention also discloses an apparatus to carry out the method.

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

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: 'A PROCESS FOR ENRICHING CHROMITE VALUES OF ULTRAFINE PARTICLES IN CHROMITE TAILINGS BY SELECTIVE FLOCCULATION TECHNIQUE TO PRODUCE HIGHER GRADE OF CR2O3 CONCENTRATE'

<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>	:C04B 35/00 :NA :NA :NA	(71)Name of Applicant:  1)TATA STEEL LIMITED  Address of Applicant: RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- 831001, INDIA Jharkhand
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)LOPAMUDRA PANDA
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)VEERENDRA SINGH 3)SUNIL KUMAR TRIPATHY 4)PRADIP KUMAR BANERJEE
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a process for enriching chromite values of ultrafine particles in chromite tailings ( $< 37 \mu m$ ) by selective flocculation and desliming technique to produce higher grade of Cr2O3 concentrate, the process comprising the steps of grinding as received chromite tailing samples by a ball mill to generate particles of size to below ( $150 \mu m$ ) size for better liberation; subjecting the grounded particles for desliming by a hydrocyclone; subjecting the underflow product from the deslimed hydrocyclone to grinding below 37 micron size particles and using as a feed for selective flocculation process.

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention : AN IMPROVED PROCESS ON CNC LATHE WITH NEWLY DEVELOPED TOOLS TO REDUCE THE PROCESS TIME FOR ROUGH AND FINISH MACHINING OF SIDE GROOVES IN T-GROOVES IN SHAFT OF STEAM TURBINE

(32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :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, SALTLAKE CITY, KOLKATA-700091,  HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI  FORT, NEW DELHI - 110049, INDIA. West Bengal  (72)Name of Inventor:  1)VINAY KISHORE  2)PRASHANT BAJPAI  3)LOKESH JAIN  4)AVINASH ARYA  5)SACHIN MAGGU
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### (57) Abstract:

An improved process on CNC lathe to reduce the process time for rough and finishing operation of balancing weight grooves comprises of developing new crank grooving tools with improved grade and cutting geometry. An improved cutting parameters for the developed tool is selected and on the basis of this tool a new CNC program is adapted so that an optimum number of plunge cuts per groove for rough and finish machining of balancing weight groove to reduce the process time.

No. of Pages: 19 No. of Claims: 1

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

(54) Title of the invention: A METHOD OF PROFILE MACHINING IN HIGH THICKNESS PIPE MATERIALS TO FABRICATE TEES, SHORTER ARM ELBOWS, SHORTER LENGTH STRAIGHT PIPE EMPLOYED IN HIGH PRESSURE STEAM GENERATORS.

		(71)Name of Applicant :
(51) International classification	:B23C	
(51) memational classification	3/00	Address of Applicant :REGIONAL OPERATIONS
(31) Priority Document No	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK, 3RD FLOOR,
(32) Priority Date	:NA	KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091,
(33) Name of priority country	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(86) International Application No	:NA	FORT, NEW DELHI - 110049, INDIA. West Bengal
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)AMIRTHAM ANTONY ADIMAI
(61) Patent of Addition to Application Number	:NA	2)ARJUNAN ASHOK
Filing Date	:NA	3)CHINNAKARUPPAN VELAYUTHAM
(62) Divisional to Application Number	:NA	4)KANNIYAPPAN KALANITHI
Filing Date	:NA	5)GENGAN MOHAN
		6)RENGARAJU RAGUPATHY

#### (57) Abstract:

The invention relates to a method of profile machining on the both ends of the elbows, tees and shorter length of low alloy steel pipes having high thickness used for high pressure and ultra high pressure steam generators. The novel holding method comprises the steps of fixing the work piece (07,05) in between vertical clamping plates (01) and V blocks (03) and clamping the work piece with universal V clamps (03) both horizontal and vertical directions, whereas the whole assembly is fixed in the profile cutting machine jaw by external universal V blocks (02) which perfectly seats in the machine jaw and tightened by L clamps (04) through four numbers of circular rods (08) attached to the external V blocks (02). The job can be easily dismantled to machine the other end to complete the operation. Now the work piece is ready for welding. The horizontal distance between vertical clamping plates (01) is decided according to the outside diameter in the range of 273mm to 550mm with thickness variation of 32 to 90mm .

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

(22) Date of filing of Application :13/02/2013 (43) Publication Date : 25/09/2015

# (54) Title of the invention : A NOVEL REUSABLE SUB VOLT DIFFERENTIAL AMPLIFIER MODULE FOR USE AS A PRE AMPLIFIER OR OUTPUT STAGE

(51) International classification	:H03F1/26	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BUDHADITYA MAJUMDAR
(32) Priority Date	:NA	Address of Applicant :92 CHANDRAPALLY
(33) Name of priority country	:NA	NEWBARRACKPUR B2 KAMALASHREE APARTMENT 24
(86) International Application No	:PCT// /	PARGANAS NORTH KOLKATA West Bengal India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)BUDHADITYA MAJUMDAR
(61) Patent of Addition to Application Number	:NA	2)SUDIPTA CHAKRABORTY
Filing Date	:NA	3)HAFIZUR RAHAMAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A differential amplifier having quad inputs with the pair of differential input voltages common between a set of N channel FETs and P channel FETs acting in a differential push pull strategy is provided. The amplifier achieves a considerable amount of voltage gain and swing while operating in sub volt region and can be modularly used in a multi stage amplifier design as a pre amplifier stage with differential inputs or as an output stage. Additionally this reusable stage does not require any current source or sink for its operation negating the need for any external add-on circuitry.

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

(21) Application No.325/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :17/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention : 2-(4,6-DIAMINOPYRIMIDIN-2-YLTHIO)-N-ARYL ACETAMIDE DERIVATIVES, THEIR SYNTHESIS, ANTIVIRAL ACTIVITY AND METHODS THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A01N43/90 :NA :NA	(71)Name of Applicant: 1)DR. BARIJ NAYAN SINHA Address of Applicant:DR. BRRIJ NAYAN SINHA
(33) Name of priority country	:NA	DEPARTMENT OF PHARMACEUTICAL SCIENCES, BIRLA
(86) International Application No	:NA	INSTITUTE OF TECHNOLOGY, MESRA, RANCHI-835215
Filing Date	:NA	JHARKHAND (INDIA)
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BARIJ NAYAN SINHA
Filing Date	:NA	2)AJAY KUMAR TIMIRI
(62) Divisional to Application Number	:NA	3)VENKATESAN JAYAPRAKASH
Filing Date	:NA	

### (57) Abstract:

The present invention relates to novel compounds of 2-(4,6-diaminopyrimidin-2-ylthio)-N-aryl acetamide derivatives of the general formula I, their pharmaceutically acceptable derivatives, tautomeric forms, stereoisomers, polymorphs, prodrugs, metabolites, salts or solvates thereof. The present invention also provides pharmaceutical compositions comprising compounds of general formula I and their use of such compounds and compositions in medicines and process for preparing the same for antiviral activity.

No. of Pages: 30 No. of Claims: 7

(21) Application No.348/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 25/09/2015

# (54) Title of the invention: A JIG FOR LIGHT INDUCED PLATING OF SILICON SOLAR 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></ul>	31/00 :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, SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA. West Bengal
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)ABHISHEK SHARAN
Filing Date	:NA	2)DR. BASUDEV PRASAD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a jig for light induced plating of silicon solar cell is made up of a jig body (6) having titanium connectors a jig for light induced plating of silicon solar cells. A transparent latch (9) is fixed to the jig (1) at one side for holding the solar cell tightly against the vertical surface of the jig (1). Few holes are provided on the jig body at appropriate places for easy removal of the solar cells without breaking.

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

# Publication Under Section 43(2) in Respect of the Grant

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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)	Appropriate Office
1	268808	9400/DELNP/2007	18/05/2006	19/05/2005	AN ENRICHMENT PROCESS USING COMPOUNDS USEFUL IN A POLYESTER PROCESS	ESTMAN CHEMICAL COMPANY	20/06/2008	DELHI
2	268809	1762/DEL/2006	02/08/2006		A WATER JET DREDGING DEVICE	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	15/02/2008	DELHI
3	268810	7184/DELNP/2006	29/06/2006	29/06/2004	DISPOSABLE DIAPER HAVING BARRIER CUFF STRIPS	THE PROCTER & GAMBLE COMPANY	24/08/2007	DELHI
4	268812	10331/DELNP/2008	16/05/2007	21/06/2006	HIGH PRESSURE CATALYST ACTIVATION METHOD AND CATALYST PRODUCED THEREBY	ARKEMA, INC.	20/03/2009	DELHI
5	268814	1025/DEL/2001	04/10/2001		ACTIVATED CHARCOAL FILTER FOR REDUCING P- BENZOSEMIQUINONE FROM THE MAINSTREAM CIGARETTE SMOKE	NATIONAL RESEARCH DEVELOPMENT CORPORATION	26/12/2008	DELHI
6	268815	2070/DEL/2005	03/08/2005	04/08/2004	HYDROMECHANICAL REGULATOR FEEDING CONTROL WITH TWO FLOW RATE LAWS	HISPANO SUIZA	31/07/2009	DELHI
7	268817	1039/DELNP/2006	09/07/2004	11/09/2003	A PRESSURE VESSEL UNIT FOR CYCLIC VARIATIONS IN ALTITUDE CONDITIONING	CVAC SYSTEMS, INC.	10/08/2007	DELHI
8	268819	1203/DEL/2004	29/06/2004		FUEL PIPE FLEXIBLE JOINT	BHARAT HEAVY ELECTRICALS LIMITED	23/06/2006	DELHI
9	268820	2491/DELNP/2004	14/03/2003	19/03/2002	A DEPLOYMENT MECHANISM FOR A MISSILE HAVING AERODYNAMIC FIN	RAYTHEON COMPANY	09/10/2009	DELHI
10	268821	851/DEL/2005	01/04/2005		REUSABLE METAL SCALPEL HANDLE	PANKAJ KEHR	01/12/2006	DELHI
11	268822	503/DEL/2010	05/03/2010	30/03/2009	A PROCESS FOR PROVIDING IMPROVED POLYMERIZABLE COMPOSITIONS	ROHM AND HAAS COMPANY	15/10/2010	DELHI

12	268823	7018/DELNP/2009	28/04/2008	01/05/2007	ANTI-FOULING COATING COMPOSITIONS CONTAINING A CARBOXYL- FUNCTIONAL ORGANOSILICONE •	AKZO NOBEL COATINGS INTERNATIONAL B.V.	18/06/2010	DELHI
13	268824	5612/DELNP/2010	09/03/2009	17/03/2008	METHOD FOR PRODUCING AN OIL BINDING AGENT	COMMERZIALBANK MATTERSBURG IM BURGENLAND AKTIENGESELLSCHAFT	18/11/2011	DELHI
14	268827	2204/DELNP/2009	12/10/2007	13/10/2006	QUICK CONNECT COUPLING STABLIZATION APPARATUS, SYSTEMS AND METHODS	THE GATES CORPORATION	29/05/2009	DELHI
15	268829	3894/DELNP/2010	14/11/2008	27/11/2007	SOLID TITANIUM CATALYST COMPONENT, OLEFIN POLYMERIZATION CATALYST, AND OLEFIN POLYMERIZATION PROCESS	MITSUI CHEMICALS, INC.	03/02/2012	DELHI
16	268830	3597/DELNP/2007	10/11/2005	11/11/2004	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	DPX HOLDINGS B.V.	31/08/2007	DELHI
17	268831	7656/DELNP/2009	12/06/2008	15/06/2007	CHROMATOGRAPHY METHOD	GE HEALTHCARE BIO- SCIENCES AB	25/06/2010	DELHI
18	268832	621/DELNP/2009	17/08/2007	17/08/2006	COMPOSITIONS COMPRISING CALCIUM CITRATE MALATE AND METHODS FOR MAKING THE SAME	THE PROCTER & GAMBLE COMPANY	15/05/2009	DELHI
19	268833	8443/DELNP/2009	11/07/2008	19/07/2007	DETERGENT COMPOSITION CONTAINING SUDS BOOSTING CO- SURFACTANT AND SUDS STABLIZING SURFACE ACTIVE POLYMER	THE PROCTER & GAMBLE COMPANY	16/07/2010	DELHI
20	268834	801/DEL/2008	27/03/2008	29/03/2007	PLANT MONITOR DISPLAY UNIT AND PLANT MONITOR DISPLAY METHOD	HITACHI, LTD.	09/01/2009	DELHI
21	268835	799/DEL/2008	27/03/2008	29/03/2007	MULTI-BUTTON CONTROL HEADSET FOR A MOBILE COMMUNICATION DEVICE	RESEARCH IN MOTION LIMITED	16/01/2009	DELHI

22	268839	5735/DELNP/2005	06/07/2004	03/07/2003	ABSORBENT ARTICLE HAVING A LONGITUDINAL AXIS	THE PROCTER & GAMBLE COMPANY	09/05/2008	DELHI
23	268842	3520/DELNP/2006	21/12/2004	22/12/2003	GAS-LIQUID CONTACTING TRAY	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	31/08/2007	DELHI
24	268843	2234/DELNP/2004	02/12/2002	01/12/2001	A METHOD FOR PROCESSING A SOLID MATERIAL	CAMBRIDGE ENTERPRISE LIMITED	09/10/2009	DELHI
25	268844	3382/DELNP/2005	30/01/2004	31/01/2003	A PNEUMATICALLY ACTUATED VALVE ASSEMBLY	LIM TECHNOLOGY, LLC	03/08/2007	DELHI
26	268845	1140/DEL/2008	06/05/2008 16:58:33	10/05/2007	METHOD OF OPERATING AN ULTRASOUND HANDPIECE	ALCON, INC.	26/12/2008	DELHI
27	268846	4844/DELNP/2006	11/03/2005	16/03/2004	GLUCOPYRANOSYL- SUBSTITUTED BENZENOL DERIVATIVE, DRUG CONTAINING SAID COMPOUND, THE USE THEREOF AND METHOD FOR THE PRODUCTION THEREOF	BOEHRINGER INGELHEIM INTERNATIONAL GMBH.	10/08/2007	DELHI
28	268848	9012/DELNP/2007	23/05/2006	23/05/2005	SCROLL-TYPE REFRIGERANT COMPRESSOR	DANFOSS COMMERCIAL COMPRESSORS	27/06/2008	DELHI
29	268849	7341/DELNP/2007	31/03/2006	06/04/2005	A LIFTING UNIT FOR A DIAGNOSIS DEVICE	SIEMENS AKTIENGESELLSCHAFT	26/10/2007	DELHI
30	268852	560/DELNP/2009	25/07/2007	28/07/2006	NOVEL PROCESS FOR THE SYNTHESIS OF (E)- STILBENE DERIVATIVES WHICH MAKES IT POSSIBLE TO OBTAIN RESVERATROL AND PICEATANNOL	WEYLCHEM LAMOTTE S.A.S.	20/08/2010	DELHI
31	268853	1629/DELNP/2009	22/08/2007	20/10/2006	METHOD FOR FABRICATING CURVED THERMOPLASTIC COMPOSITE PARTS	THE BOEING COMPANY	22/05/2009	DELHI
32	268856	53/DELNP/2010	10/07/2008	12/07/2007	UNSATURATED POLYMER COMPOSITION	BOREALIS TECHNOLOGY OY	06/08/2010	DELHI
33	268860	1806/DEL/2004	23/09/2004		A NUTS DIGGER CUM SEPARATOR DEVICE	MOHD.YUSUF KHAN	22/09/2006	DELHI
34	268866	5268/DELNP/2008	28/12/2005	28/12/2005	HALOGENATION PROCESSES	EXXONMOBIL CHEMICAL PATENTS INC,	08/08/2008	DELHI
35	268875	6609/DELNP/2006	27/04/2005	30/04/2004	PREPARATION OF NANOPARTICLE MATERIALS	NANOCO TECHNOLOGIES LIMITED	31/08/2007	DELHI
36	268879	1673/DELNP/2010	09/10/2008	22/10/2007	POLYETHYLENE COMPOSITIONS HAVING IMPROVED PROPERTIES	UNIVATION TECHNOLOGIES, LLC	06/08/2010	DELHI

37	268881	1583/DEL/2009	31/07/2009 11:47:25		SEWING THREAD	AMERICAN & EFIRD, INC.	04/02/2011	DELHI
38	268884	2453/DELNP/2007	18/10/2005	18/10/2004	DRY FRICTION LINING FOR THE FRICTION DEVICE OF A DRY CLUTCH FOR A MOTOR VEHICLE, A DRY FRICTION DEVICE, A DRY FRICTION CLUTCH AND A MOULD FOR MOULDING A FRICTION LINING	VALEO MATERIAUX DE FRICTION	03/08/2007	DELHI
39	268887	8599/DELNP/2008	27/02/2007	25/04/2006	SPRAY-NOZZLE ADJUSTING DEVICE	SIEMENS VAI METALS TECHNOLOGIES GMBH	15/05/2009	DELHI
40	268888	1174/DEL/2006	11/05/2006	29/06/2005	SYSTEM AND METHOD FOR PRIVILEGE MANAGEMENT AND REVOCATION	RESEARCH IN MOTION LIMITED	24/08/2007	DELHI
41	268889	1351/DELNP/2006	25/02/2004	11/08/2003	COMMUNICATIONS SYSTEM WITH DATA STORAGE DEVICE INTERFACE PROTOCOL CONNECTORS AND RELATED METHODS.	TEAMON SYSTEM, INC.	13/07/2007	DELHI
42	268892	1861/DEL/2004	28/10/2004		METHOD FOR THE MANUFACTURE OF FULLY STABILIZED CUBIC ZIRCONIA	SHAHEED BHAGAT SINGH COLLEGE	19/06/2009	DELHI
43	268896	1484/DELNP/2003	11/03/2002	12/03/2001	STRIP FOR WHITENING TOOTH SURFACES.	COLGATE-PALMOLIVE COMPANY,	01/06/2007	DELHI
44	268897	1455/DEL/2004	05/08/2004	07/08/2003	A METHOD OF PRODUCING A LAW CONCENTRATION AQUEOUS SOLUTION OF AN AGENT FOR PROCESSING SYNTHETICFIBERS	TAKEMOTO YUSHI KABUSHIKI KAISHA	21/07/2006	DELHI
45	268913	1759/DEL/2006	01/08/2006 15:34:14		A NOVEL PROCESS FOR THE PRODUCTION OF THERAPEUTIC PROTEINS AND RESULTING PRODUCTS THEREOF	INDIAN INSTITUTE OF TECHNOLOGY, NEW DELHI	06/06/2008	DELHI
46	268914	1795/DELNP/2007	21/09/2005	22/09/2004	SPACECRAFT THRUSTER	ELWING LLC	17/08/2007	DELHI
47	268917	2197/DELNP/2008	25/08/2005	25/08/2005	PROCESS FOR PRODUCING CRYSTALLINE TITANIUM OXIDE COATING FILM THROUGH ELECTROLYTIC ANODIZING	SHOWA CO.,LTD	04/07/2008	DELHI
48	268918	4849/DELNP/2009	08/02/2008	09/02/2007	UNSUBSTITUTED AND POLYMERIC LEUCO COLORANTS FOR COLORING CONSUMER PRODUCTS	MILLIKEN & COMPANY	05/03/2010	DELHI

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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	268850	2198/MUMNP/2007	23/06/2006	30/06/2005	AUTOMATED OPTICAL LINK POWER CONTROL	INFINERA CORPORATION	01/02/2008	MUMBAI
2	268851	2197/MUMNP/2007	23/05/2006	30/06/2005	DISCOVERY OF AN ADJACENT NETWORK ELEMENT WITHIN A NETWORK DATA PLANE	INFINERA	01/02/2008	MUMBAI
3	268854	1166/MUM/2006	21/07/2006		A BLDC MOTOR DRIVEN CEILING FAN	CROMPTON GREAVES LIMITED	18/07/2008	MUMBAI
4	268857	520/MUMNP/2009	24/08/2006	16/08/2006	A PRECAST CONCRETE BUILDING PANEL FOR A BUILDING	JAZZAR, MOHAMMED OMAR	22/05/2009	MUMBAI
5	268863	2187/MUM/2009	22/09/2009		A METHOD FOR TREATMENT OF BIODEGRADABLE MUNICIPAL SOLID WASTE	MAITHILEE DINESH CHANDRATRE	13/05/2011	MUMBAI
6	268864	1115/MUMNP/2009	19/12/2007	19/12/2006	METHOD FOR PREPARING AN ORGANIC FILM AT THE SURFACE OF A SOLID SUBSTRATEIN NON- ELECTROCHEMICAL CONDITIONS SOLID SUBSTRATE THUS FORMED AND PREPARATION KIT	COMMISSARIAT A L'ENERGIE ATOMIQUE	29/01/2010	MUMBAI
7	268865	308/MUMNP/2009	02/08/2007	14/08/2006	FLOW MEASUREMENT DIAGNOSTICS •	ROSEMOUNT INC.	22/05/2009	MUMBAI
8	268867	2509/MUMNP/2010	01/05/2009	01/05/2008	MULTI-LAYERED FUEL TUBING	SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION	04/03/2011	MUMBAI
9	268871	244/MUM/2007	09/02/2007	17/05/2006	SUBSTRATE CARRIER AND FACILITY INTERFACE AND APPARATUS INCLUDING SAME	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	03/10/2008	MUMBAI
10	268872	505/MUMNP/2010	10/09/2008	10/09/2007	A PROCESS FOR PREPARING SORAFENIB OR A SALT THEREOF	CIPLA LIMITED.	06/08/2010	MUMBAI

11	268877	1881/MUMNP/2008	21/03/2007	23/03/2006	AGRICULTURAL APPARATUS FOR SPREADING PRODUCTS	KUHN S. A.	23/01/2009	MUMBAI
12	268880	1605/MUM/2005	21/12/2005		A UNIFIED PORTABLE NITROGEN GENERATING AND DISTRIBUTION STATION	KIRLOSKAR PNEUMATIC CO LTD.,	29/06/2007	MUMBAI
13	268882	435/MUMNP/2007	21/09/2005	24/09/2004	ROOF RACK SYSTEM FOR A VEHICLE, METHOD FOR PRODUCING THE ROOF RACK SYSTEM	HANS UND OTTMAR BINDER GMBH OBERFLACHENVEREDE LUNG	12/10/2007	MUMBAI
14	268893	359/MUM/2004	25/03/2004	25/03/2003	DOWN-THE-HOLE DRILL ASSEMBLY	BERNARD LIONEL GIEN	05/05/2006	MUMBAI
15	268894	324/MUMNP/2011	17/07/2009	22/07/2008	COATED ABRASIVE PRODUCTS CONTAINING AGGREGATES	SAINT-GOBAIN ABRASIVES, INC.,SAINT- GOBAIN ABRASIFS	02/12/2011	MUMBAI
16	268898	2139/MUMNP/2007	31/05/2006	01/06/2005	TRAFFIC PREEMPTION SYSTEM AND COMMUNICATION METHOD	GLOBAL TRAFFIC TECHNOLOGIES, LLC.	01/02/2008	MUMBAI
17	268899	1816/MUM/2007	19/09/2007		MOBILE TELEPHONE SECURITY	TATA CONSULTANCY SERVICES LTD.	26/06/2009	MUMBAI
18	268905	813/MUMNP/2009	29/11/2007	29/11/2006	METHODS, SYSTEMS, AND APPARATUS FOR OBJECT INVOCATION ACROSS PROTECTION DOMAIN BOUNDARIES •	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
19	268907	345/MUM/2009	17/02/2009 15:31:50	11/08/2008	APPARATUS AND METHOD FOR CONNECTION RE- ESTABLISHMENT IN MOBILE COMMUNICATION SYSTEM ENVIRONMENT	VIA TELECOM CO., LTD.	08/05/2009	MUMBAI
20	268908	1901/MUM/2007	27/09/2007 11:14:19		ORAL COMPOSITIONS OF DIACEREIN OR SALTS THEREOF	WOCKHARDT LTD.	11/06/2010	MUMBAI
21	268910	16/MUM/2011	04/01/2011		A SUPER ACID CATALYST COMPOSITION AND METHOD FOR THE PREPERATION THEREOF.	YADAV GANAPATI DADASAHEB	18/03/2011	MUMBAI
22	268911	1228/MUMNP/2011	16/11/2009	17/11/2008	ACRYLATE COLOR- STABILIZED PHENOLIC BOUND ABRASIVE PRODUCTS AND METHODS FOR MAKING SAME	SAINT-GOBAIN ABRASIVES ,INC.,SAINT-GOBAIN ABRASIFS	17/08/2012	MUMBAI

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Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	268825	1377/CHENP/2007	03/10/2005	04/10/2004	SURGICAL PREP SOLUTION APPLICATOR	3M INNOVATIVE PROPERTIES COMPANY	31/08/2007	CHENNAI
2	268826	1210/CHENP/2008	07/08/2006	12/08/2005	STABILIZED ETCHING SOLUTIONS FOR CU AND CU/NI LAYERS	BASF SE	28/11/2008	CHENNAI
3	268837	119/CHE/2007	19/01/2007		HANDLEBAR ASSEMBLY OF A MOTORCYCLE	R &D, TVS MOTOR COMPANY LIMITED	28/11/2008	CHENNAI
4	268838	784/CHE/2008	31/03/2008		ADJUSTABLE LEVER CONTROL ASSEMBLY	TVS MOTOR COMPANY LIMITED	09/10/2009	CHENNAI
5	268841	3081/CHENP/2007	06/01/2006	14/01/2005	MOVING OBJECTS PRESENTED BY A TOUCH INPUT DISPLAY DEVICE	KONINKLIJKE PHILIPS ELECTRONICS N.V.	07/09/2007	CHENNAI
6	268855	5709/CHENP/2008	07/05/2007	12/05/2006	EFFICIENT MODIFICATION OF PACKET FILTERS IN A WIRELESS COMMUNICATION NETWORK	QUALCOMM INCORPORATED	27/03/2009	CHENNAI
7	268861	2661/CHENP/2007	16/12/2005	21/12/2004	METHOD FOR MAKING A CIRCULAR-KNIT ELASTIC FABRIC AND CORRESPONDING FABRIC	INVISTA TECHNOLOGIES S.A.R.L.	07/09/2007	CHENNAI
8	268886	610/CHE/2004	24/06/2004		A PROCESS FOR PRODUCTION OF HIGH MOLECULAR WEIGHT, HIGH CHAR YIELDING ACRYLONITRILE POLYMER	DEPARTMENT OF SPACE	02/06/2006	CHENNAI
9	268890	1543/CHENP/2009	18/10/2007	19/10/2006	TIMING TRACKING IN A MULTIPLE RECEIVE ANTENNA SYSTEM	QUALCOMM INCORPORATED	26/06/2009	CHENNAI
10	268891	1745/CHE/2005	28/11/2005		A METHOD OF NETWORK SEARCH OPTIMIZATION FOR MULTI BAND SUPPORTED MOBILES	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	14/09/2007	CHENNAI
11	268901	2501/CHENP/2007	09/11/2005	10/11/2004	AIR KNIFE	SPRAYING SYSTEMS CO.	07/09/2007	CHENNAI
12	268909	3553/CHENP/2008	12/01/2007	13/01/2006	STABILIZER COMPOSITIONS CONTAINING 2,2,6,6 TETRAALKYLPIPERIDINE DERIVATIVES	BASF SE	13/03/2009	CHENNAI

13	268915	1541/CHENP/2009	14/09/2007	15/09/2006	METHODS AND APPARATUS RELATED TO POWER CONTROL AND/OR INTERFERENCE MANAGEMENT IN A MIXED WIRELESS COMMUNICATIONS SYSTEM	QUALCOMM INCORPORATED	26/06/2009	CHENNAI
14	268916	5821/CHENP/2008	11/05/2007	15/05/2006	TECHNIQUES FOR CONTROLLING OPERATION OF CONTROL LOOPS IN A RECEIVER	QUALCOMM INCORPORATED	07/01/2011	CHENNAI
15	268920	6400/CHENP/2009	23/04/2008	30/04/2007	PROCESS FOR PREPARING MINERAL PARTICLES FROM MINERAL SPECIES PRECURSORS.	AREVA NP,CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.)	09/04/2010	CHENNAI

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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	268811	3764/KOLNP/2006	30/09/2004	14/05/2004	METHODS AND SYSTEMS FOR POSTCODE-TO- POSTCODE DELIVERY INTERVAL AND ROUTING CALCULATION	UNITED STATES POSTAL SERVICE	15/06/2007	KOLKATA
2	268813	4219/KOLNP/2007	10/04/2006	11/04/2005	LAYERED LABEL STRUCTURE WITH TIMER	AVESO, INC.	06/06/2008	KOLKATA
3	268816	1032/KOLNP/2008	06/11/2006	18/11/2005	STORAGE BATTERY ELECTRODES WITH INTEGRAL CONDUCTORS	ACTUANT CORPORATION	17/04/2009	KOLKATA
4	268818	1680/KOL/2007	14/12/2007		METHOD OF DESIGN AND FABRICATION OF A SOLAR CELL STRING TRANSFER STATION SUITABLE FOR THE MANUFACTURING PROCESS OF LARGE WATTAGE PHOTOVOLTAIC (PV) MODULES	BHARAT HEAVY ELECTRICALS LIMITED	26/06/2009	KOLKATA
5	268828	156/KOL/2009	28/01/2009 15:48:52		TRANS AXIAL FLOW INSULATED NOZZLE FOR GAS CIRCUIT BREAKER	BHARAT HEAVY ELECTRICALS LIMITED	30/07/2010	KOLKATA
6	268836	3805/KOLNP/2006	29/06/2005	30/06/2004	LIGHT EMITTING ELEMENT WITH A PLURALITY OF CELLS BONDED, METHOD OF MANUFACTURING THE SAME, AND LIGHT EMITTING DEVICE USING THE SAME	SEOUL VIOSYS CO. LTD,	22/06/2007	KOLKATA
7	268840	3530/KOLNP/2009	11/04/2008	11/04/2007	METHOD FOR MANUFACTURING NEURAMINIC ACID DERIVATIVES	DAIICHI SANKYO COMPANY, LIMITED	22/01/2010	KOLKATA
8	268847	763/KOL/2009	19/05/2009 16:17:35	27/02/2009	POWER PROCESSING SYSTEMS AND METHODS FOR USE IN PLUG-IN ELECTRIC VEHICLES	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	03/09/2010	KOLKATA
9	268858	2080/KOLNP/2009	07/12/2007	12/12/2006	ENCODER, DECODER AND METHODS FOR ENCODING AND DECODING DATA SEGMENTS REPRESENTING A TIME- DOMAIN DATA STREAM	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	26/06/2009	KOLKATA

10	268859	677/KOLNP/2009	23/07/2007	24/07/2006	PROCESS FOR THE PREPARATION OF (1R,2R)- 3-(3-DIMETHYLAMINO-1- ETHYL-2-METHYL- PROPYL)-PHENOL	GRNENTHAL GMBH	15/05/2009	KOLKATA
11	268862	940/KOLNP/2007	21/09/2005	21/09/2004	SYSTEM AND METHOD FOR REMOTELY MONITORING PHYSIOLOGICAL FUNCTIONS	DIGITAL SIGNAL CORPORATION	13/07/2007	KOLKATA
12	268868	1893/KOLNP/2005	11/03/2004	11/03/2003	VENTURI FOR A NEBULIZATION DEVICE AND NEBULIZATION DEVICE THEREFOR	PROLITEC S.A.	27/10/2006	KOLKATA
13	268869	4589/KOLNP/2008	28/02/2007	12/05/2006	APPARATUS FOR ENCODING AN INFORMATION SIGNAL AND APPARATUS FOR DECODING AN ENCODED INFORMATION SIGNAL	FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E. V.	13/03/2009	KOLKATA
14	268870	1132/KOLNP/2009	26/09/2007	27/09/2006	APPARATUS AND METHOD FOR THE OPTICAL EXAMINATION OF VALUE DOCUMENTS	GIESECKE & DEVRIENT GMBH	22/05/2009	KOLKATA
15	268873	4335/KOLNP/2009	23/05/2008	10/07/2007	TRANSFER SHEET, MELAMINE DECORATIVE BOARD, AND METHOD FOR PRODUCING MELAMINE DECORATIVE BOARD	AICA KOGYO CO., LTD.	14/05/2010	KOLKATA
16	268874	1955/KOLNP/2009	02/11/2007	03/11/2006	AZAINDOLE DERIVATIVES AS CFTR MODULATORS	VERTEX PHARMACEUTICA LS INCORPORATED	19/06/2009	KOLKATA
17	268876	4223/KOLNP/2007	28/04/2006	03/05/2005	ANTIBODIES OR FRAGMENTS THEREOF HAVING SCLEROTIN BINDING AND SCLEROTIN NEUTRALIZING ACTIVITY	AMGEN INC.,UCB PHARMA S.A.	04/07/2008	KOLKATA
18	268878	2241/KOLNP/2006	21/02/2005	24/02/2004	INSECTICIDE COMPOSITIONS.	SUMITOMO CHEMICAL COMPANY, LIMITED	25/05/2007	KOLKATA
19	268883	537/KOL/2008	18/03/2008		DEVELOPMENT OF A COMMON, 211 KW, DC TRACTION MOTOR WITH TAPER ROLLER SUSPENSION BEARING ARRANGEMENT FOR BOTH METER GAUGE & CAPE GAUGE DIESEL ELECTRIC LOCOMOTIVE APPLICATION	BHARAT HEAVY ELECTRICALS LIMITED,	25/09/2009	KOLKATA
20	268885	2706/KOLNP/2010	23/04/2009	28/04/2008	AN EXTRUSION COATED ARTICLE	BOREALIS AG	25/11/2011	KOLKATA
21	268895	3755/KOLNP/2008	27/03/2007	31/03/2006	ACCESSING DATA STORAGE DEVICES	EMC CORPORATION	20/02/2009	KOLKATA

22	268900	723/KOLNP/2007	10/08/2005	11/08/2004	AN ORAL CONTROLLED- RELEASE WARMING COMPOSITION AND METHOD FOR THE PREPARATION THEREOF	INTERCONTINENTAL GREAT BRANDS LLC	13/07/2007	KOLKATA
23	268902	321/KOLNP/2009	04/09/2007	05/09/2006	COATING REMOVAL INSTALLATION AND METHOD OF OPERATING IT	OERLIKON TRADING AG, TRBBACH	08/05/2009	KOLKATA
24	268903	3067/KOLNP/2007	08/12/2005	18/02/2005	COAXIAL HF PLUG-IN CONNECTOR	KATHREIN-WERKE KG	07/12/2007	KOLKATA
25	268904	630/KOLNP/2010	06/08/2008	06/08/2007	TREE RESISTANT INSULATION COMPOSITIONS	GENERAL CABLE TECHNOLOGIES, CORP.	23/07/2010	KOLKATA
26	268906	2325/KOLNP/2008	16/02/2007	23/02/2006	METHOD AND APPARATUS FOR PROCESSING AN AUDIO SIGNAL	LG ELECTRONICS INC.	16/01/2009	KOLKATA
27	268912	1039/KOLNP/2009	01/11/2007	02/11/2006	NICOTINIC ACETYLCHOLINE RECEPTOR SUB-TYPE SELECTIVE AMIDES OF DIAZABICYCLOALKANES	TARGACEPT, INC.	22/05/2009	KOLKATA
28	268919	1527/KOLNP/2009	23/10/2007	25/10/2006	APPARATUS AND METHOD FOR GENERATING AUDIO SUBBAND VALUES AND APPARATUS AND METHOD FOR GENERATING TIME- DOMAIN AUDIO SAMPLES	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E. V.	29/05/2009	KOLKATA
29	268921	922/KOLNP/2008	05/08/2005	05/08/2005	COMMUNICATION SYSTEM	TELEFONAKTIEBO LAGET LM ERICSSON (PUBL)	19/12/2008	KOLKATA
30	191897	1355/CAL/1997	21/07/1997		AN IMPROVED RAILWAY CROSSING	BINA METAL WAY LTD.	10/01/2004	KOLKATA

### **CONTINUED TO PART- 2**

#### CONTINUED FROM PART- 1

## **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of ILLINOIS TOOL WORKS, INC. registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
236410	236410 ( 08-05)	GEMA SWITZERLAND
236411	236411 (10-05)	GMBH, A COMPANY
		ORGANIZED UNDER
		THE LAWS OF
		SWITZERLAND,
		HAVING ITS OFFICE AT
		MOVENTRASSE 17, 9015
		ST. GALLEN,
		SWITZERLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of NOKIA CORPORATION registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
208844	14-03	MICROSOFT MOBILE
		OY, A COMPANY
		ORGANIZED AND
		EXISTING UNDER THE
		LAWS OF FINLAND,
		HAVING ITS OFFICE AT
		KEILALAHDENTIE 2-4,
		02150 ESPOO, FINLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of NOKIA CORPORATION registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
206173	14-03	MICROSOFT MOBILE
206174		OY, A COMPANY
206176		ORGANIZED AND
		EXISTING UNDER THE
		LAWS OF FINLAND,
		HAVING ITS OFFICE AT
		KEILALAHDENTIE 2-4,
		02150 ESPOO, FINLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of NOKIA CORPORATION registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
213900	09-03	MICROSOFT MOBILE
		OY, A COMPANY
		ORGANIZED AND
		EXISTING UNDER THE
		LAWS OF FINLAND,
		HAVING ITS OFFICE AT
		KEILALAHDENTIE 2-4,
		02150 ESPOO, FINLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of SELVEL INDUSTRIES registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
241396	07-01	MR. PRATEEK
		CHAMPALAL JAIN, MR.
		VIPOOL CHAMPALAL
		JAIN & MR.
		CHAMPALAL
		KUNDANMAL JAIN
		(PARTNERS) OF M/S.
		SEARS INDUSTRIES,
		HAVING ITS OFFICE AT
		3 VAKIL INDUSTRIAL
		ESTATE, 1 <sup>ST</sup> FLOOR,
		WALBHAT ROAD,
		GOREGAON (EAST),
		MUMBAI-400 063

## **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	197808	21.08.2015
2.	197809	21.08.2015
3.	197810	21.08.2015
4.	197812	21.08.2015
5.	197813	21.08.2015
6.	199694	21.08.2015
7.	199695	21.08.2015
8.	199696	21.08.2015
9.	199697	21.08.2015
10.	199698	21.08.2015
11.	199699	21.08.2015
12.	199700	21.08.2015
13.	199932	21.08.2015
14.	197607	19.08.2015
15.	197609	19.08.2015
16.	197611	19.08.2015

#### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

COUNTRY

JAPAN

12-16 D., A JAPANESE CORPORATION,				
D., A JAPANESE CORPORATION,				
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107- 8556, JAPAN				
24/12/2014				
REAR COVER FOR MOTOR SCOOTER				

DATE

04/07/2014



DESIGN NUMBER	269591
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	13/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

PRIORITY

2014-014771

PRIORITY NUMBER

DESIGN NUMBER	269161
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	29/01/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	272265
CLASS	07-07

1)MR. GHISULAL RATHOD, MR. PRADEEP RATHOD, MR. PANKAJ RATHOD, MR. PANNALAL SHARMA, MR. JAYANTILAL JAIN, MRS. SANGEETA RATHOD AND MRS. BABITA RATHOD, ALL INDIAN NATIONALS TRADING UNDER THE NAME AND STYLE OF M/S. CELLO PLASTOTECH, A PARTNERSHIP FIRM REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932, HAVING OFFICE ADDRESS

AT 5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	21/05/2015
TITLE	BUCKET



#### PRIORITY NA

DESIGN NUMBER	270998
CLASS	05-05

## 1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SATISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

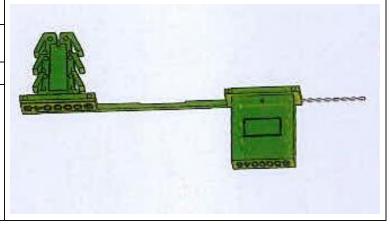
DATE OF REGISTRATION	06/04/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	237227	
<b>CLASS</b> 08-07		
FAIRMAX TECHNO	1)MANISHABEN SUNILBHAI PANCHAL FAIRMAX TECHNOLOGY, 24, MADHURAM COMPLEX, SUBHASHBRIDGE, AHMEDABAD-380027, GUJARAT, INDIA	

DATE OF REGISTRATION	09/06/2011
TITLE	SEAL





DESIGN NUMBER	266813
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



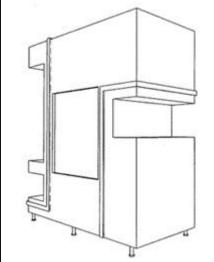
#### PRIORITY NA

DES	SIGN NUMBER	268104
CLA	ASS	20-02

## 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	10/12/2014
TITLE	SALES DISPLAY STAND



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002480095	11/06/2014	OHIM

DESIGN NUMBER	267856
CLASS	08-07

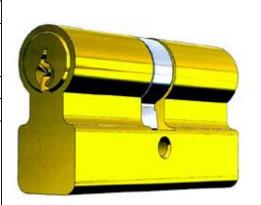
#### 1)GROUPHOMESAFE LIMITED, AT

STRAIGHT ROAD, SHORT HEALTH, WILLENHALL, WEST MIDLANDS, WV 12 5RA, UNITED KINGDOM; NATIONALITY: UNITED KINGDOM

DATE OF REGISTRATION	02/12/2014
TITLE	LOCK



П	11101111		
	PRIORITY NUMBER	DATE	COUNTRY
	002478552-0005	06/06/2014	OHIM



DESIGN NUMBER	269811
CLASS	23-01
1)DANFOSS A/S, A DANISH COMPANY, OF NORDBORGVEJ 81, DK-6430 NORDBORG, DENMARK	

DATE OF REGISTRATION	24/02/2015
TITLE	EXPANSION VALVE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002541706-0006	19/09/2014	OHIM



DESIGN NUMBER	269596
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	13/02/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	270490	
CLASS	16-06	
1)CHRISTIAN DIOR COUTURE, A FRENCH PUBLIC LIMITED COMPANY OF 30 AVENUE MONTAIGNE, 75008 PARIS, FRANCE		
DATE OF REGISTRATION	23/03/2015	
TITLE	SUNGLASSES	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
DM/084489	25/09/2014	WIPO



DESIGN NUMBER	269166
CLASS	05-05
ANGED NATIONAL VICTOR OF DELIVER DATE A SECOND AND DECISION	

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	29/01/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	270917
CLASS	09-02
1)SMT. SHEETAL AGRAWAL, SOLE PROPRIETRESS, INDIAN NATIONAL	

1)SMT. SHEETAL AGRAWAL, SOLE PROPRIETRESS, INDIAN NATIONAL TRADING AS SHREE HARDEO INDUSTRIES,

SHREE HADEO HOUSE, RATHORE CHOWK, RAIPUR, CHHATTISGARH, INDIA.

DATE OF REGISTRATION	01/04/2015
TITLE	WATER TANK



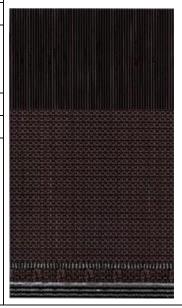
#### PRIORITY NA

DESIGN NUMBER	271003
CLASS	05-05

1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SATISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

DATE OF REGISTRATION	06/04/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	271315
CLASS	14-03
1)MOTOROLA MOBILITY LLC, 222 W. MERCHANDISE MART PLAZA, SUITE 1800, CHICAGO, ILLINOIS, 60654, UNITED STATES OF AMERICA, A LIMITED LIABILITY COMPANY OF THE STATE OF DELAWARE	



DATE OF REGISTRATION	10/04/2015
TITLE	MOBILE TELEPHONE

#### **PRIORITY**

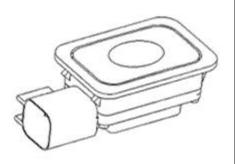
ı	THOM:		
	PRIORITY NUMBER	DATE	COUNTRY
	29/506,395	15/10/2014	U.S.A.

DESIGN NUMBER	271400
CLASS	12-16

#### 1)MINDARIKA PRIVATE LIMITED, AN INDIAN COMPANY OF

VILL. NAWADA FATEPUR, P.O. SIKANDERPUR BADDA, MANESAR, DISTT. GURGAON, HARYANA-122004, INDIA

DATE OF REGISTRATION	15/04/2015
TITLE	SWITCH ASSEMBLY FOR AUTOMOTIVE



#### PRIORITY NA

DESIGN NUMBER	266814
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

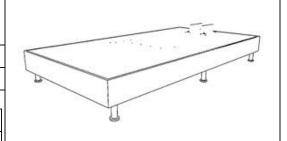


DESIGN NUMBER	268105
CLASS	20-02

## 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	10/12/2014		
TITLE	SALES DISPLAY STAND		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
002480095		11/06/2014	OHIM



DESIGN NUMBER	267857
CLASS	08-07

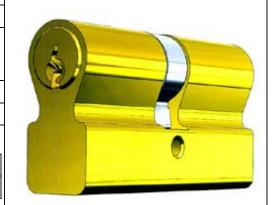
#### 1)GROUPHOMESAFE LIMITED, AT

STRAIGHT ROAD, SHORT HEALTH, WILLENHALL, WEST MIDLANDS, WV 12 5RA, UNITED KINGDOM; NATIONALITY: UNITED KINGDOM

DATE OF REGISTRATION	02/12/2014
TITLE	LOCK



PRIORITY NUMBER	DATE	COUNTRY
002478552-0001	06/06/2014	OHIM



DESIGN NUMBER	269812	
CLASS	23-01	
1)DANFOSS A/S, A DANISH COMPANY, OF		

### NORDBORGVEJ 81, DK-6430 NORDBORG, DENMARK

DATE OF REGISTRATION	24/02/2015
TITLE	EXPANSION VALVE

#### PRIORITY

IMOMII		
PRIORITY NUMBER	DATE	COUNTRY
002541706-0007	19/09/2014	OHIM



DESIGN NUMBER	269597
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	13/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	269167
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	29/01/2015
TITLE	TEXTILE FABRIC



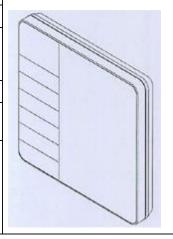
#### PRIORITY NA

DESIGN NUMBER	270919	
CLASS 14-03		
1)DAIKIN INDUSTRIES LTD. A JAPANESE COMPANY OF THE ADDRESS: UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN		
DATE OF REGISTRATION 01/04/2015		
TIPLE	REMOTE CONTROLLER FOR AIR	

PRIORITY

TITLE

PRIORITI			
PRIORITY NUMBER	DATE	COUNTRY	
2014-025142	11/11/2014	JAPAN	



**CONDITIONER** 

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DESIGN NUMBER	269169	
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	29/01/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	271430		
CLASS	09-01		
1)SAVERGLASS, A FRENCH COMPANY OF 3 RUE DE LA GARE, 60960 FEUQUIERES, FRANCE			
	16/04/2015		
DATE OF REGISTRATION	16/04/2015		



### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
002561282-0001	21/10/2014	OHIM

DESIGN NUMBER	266817
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	



DESIGN NUMBER	272417	
CLASS 12-11		
1)YAMAHA HATSUDOKI KABUSHIKI KAISHA, 2500, SHINGAI, IWATA-SHI, SHIZUOKA-KEN 438-8501, JAPAN, A JAPANESE CORPORATION		

28/05/2015

MOTORCYCLE



### PRIORITY

TITLE

DATE OF REGISTRATION

PRIORITY NUMBER	DATE	COUNTRY
2014-026548	28/11/2014	JAPAN

DESIGN NUMBER	265582	
CLASS	04-02	
1)THE GILLETTE COMPANY, OF ONE GILLETTE PARK, BOSTON, MA 02127, U.S.A.		
DATE OF REGISTRATION	10/09/2014	
TITLE	TOOTHBRUSH	

#### PRIORITY

11101111		
PRIORITY NUMBER	DATE	COUNTRY
799568401	11/03/2014	WIPO

DESIGN NUMBER	271431	
<b>CLASS</b> 09-01		
1)SAVERGLASS, A FRENCH COMPANY OF 3 RUE DE LA GARE, 60960 FEUQUIERES, FRANCE		
DATE OF REGISTRATION 16/04/2015		
TITLE	BOTTLE	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002621763-0001	28/01/2015	OHIM

DESIGN NUMBER	268389	
CLASS	12-16	
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556, JAPAN		
DATE OF REGISTRATION	24/12/2014	
TITLE	LEG SHIELD FOR MOTORCYCLE	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-014768	04/07/2014	JAPAN

DESIGN NUMBER	268482	
CLASS	12-11	

## 1)S. K. AGGARWAL & CO. 103 AICTTA MARKET, SINGLE CYCLE ROAD, DHANDARI KALAN, LUDHIANA-141014, PUNJAB, INDIA.

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- SHUBNATH AGGARWAL BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	30/12/2014
TITLE	BRAKE LEVER FOR BICYCLE



#### PRIORITY NA

DESIGN NUMBER	269808	
CLASS	S 23-01	
1)DANFOSS A/S, A DANISH COMPANY, OF NORDBORGVEJ 81, DK-6430 NORDBORG, DENMARK		
DATE OF REGISTRATION 24/02/2015		

#### **PRIORITY**

TITLE

FRICKITI		
PRIORITY NUMBER	DATE	COUNTRY
002541706-0003	19/09/2014	OHIM
·	·	·



EXPANSION VALVE

DESIGN NUMBER	269593	
CLASS	05-05	
UNDER THE PROVISION OF COREGISTERED OFFICE AT	PANDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION	13/02/2015	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	218564	
CLASS	10-02	
	196- GLAND- SWITZERLAND, A SWISS BACHER, AT GRAND RUE 3, 1183- BURSINS-	
DATE OF REGISTRATION	15/09/2008	
TITLE	WATCH	
PRIORITY NA		
DESIGN NUMBER	269163	
CLASS	05-05	A PARTY AND THE REAL PROPERTY.
UNDER THE PROVISION OF COREGISTERED OFFICE AT	PRINTS PVT. LTD. A COMPANY REGISTERED OMPANIES ACT, 1956 HAVING ITS  PANDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION	29/01/2015	A STATE OF THE STA
TITLE	TEXTILE FABRIC	THE STATE OF THE S
PRIORITY NA		

DESIGN NUMBER	272298	
CLASS	23-02	

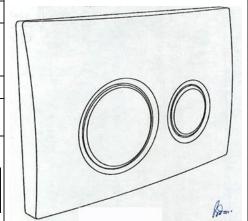
#### 1)GEBERIT INTERNATIONAL AG

SCHACHENSTRASSE 77, 8645 JONA, SWITZERLAND, A COMPANY OF SWITZERLAND

DATE OF REGISTRATION	22/05/2015	
TITLE	CONTROL PANEL FOR TOILET FLUSH TANKS	



PRIORITY NUMBER	DATE	COUNTRY
854585301	25/11/2014	WIPO

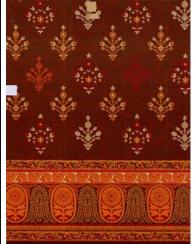


DESIGN NUMBER	271000 05-05	
CLASS		

## 1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SATISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

DATE OF REGISTRATION	06/04/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	271299	
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	10/04/2015	
TITLE	CHAIR	



DESIGN NUMBER	267938
CLASS	07-04

## 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	05/12/2014	
TITLE	KITCHEN FOOD EXTRUDER	



PRIORITY NUMBER	DATE	COUNTRY
29/496,195	10/07/2014	U.S.A.



DESIGN NUMBER	269508	
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	11/02/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	271448	
CLASS	15-99	

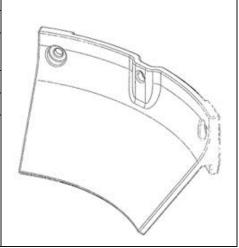
#### 1)SANDVIK INTELLECTUAL PROPERTY AB

OF SE-811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY

DATE OF REGISTRATION	16/04/2015	
TITLE	CRUSHER	

#### **PRIORITY**

1 MOM1 1		
PRIORITY NUMBER	DATE	COUNTRY
001423602-0002	23/10/2014	OHIM
	•	<u> </u>



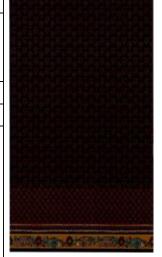
DESIGN NUMBER		269810	
CLASS	269810		
1)DANFOSS A/S, A DANISH COM NORDBORGVEJ 81, DK-6430 NO			
DATE OF REGISTRATION	1	4/02/2015	
TITLE	EXPAN	NSION VALVE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002541706-0005	19/09/2014	OHIM	
	Т		
DESIGN NUMBER		269595	-
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & P UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, PA	IPANIES ACT, 1956 F	HAVING ITS	
DATE OF REGISTRATION	13	3/02/2015	
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		269165	
CLASS	05-05		
1)SIDDHI VINAYAK KNOTS & P UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, PA	IPANIES ACT, 1956 F	HAVING ITS	
DATE OF REGISTRATION	29/01/2015		\$\$/\$\\$/\$\\$/\$\\$/\$\\$/\$\\$/\$\\$/\$\\$/\$\\$/\$\\$/
TITLE	TEXTILE FABRIC		
PRIORITY NA			

DESIGN NUMBER	271002
CLASS	05-05
1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SA	

TISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

DATE OF REGISTRATION	06/04/2015
TITLE	TEXTILE FABRIC

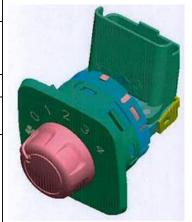


#### PRIORITY NA

1)MINDARIKA PRIVATE LIMITED, AN INDIAN COMPANY OF	
CLASS	12-16
DESIGN NUMBER	271399

VILL. NAWADA FATEPUR, P.O. SIKANDERPUR BADDA, MANESAR, DISTT. GURGAON, HARYANA-122004, INDIA

DATE OF REGISTRATION	15/04/2015
TITLE	REAR CLIMATIC CONTROL SWITCH ASSEMBLY



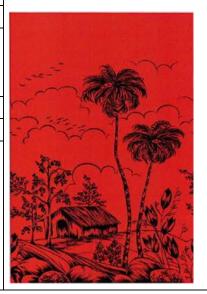
#### PRIORITY NA

DESIGN NUMBER	269511
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	11/02/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	264528
CLASS	05-05

#### $1) RAW\ MANGO\ PRIVATE\ LIMITED,\ NATIONALITY-INDIAN,$

KHASARA NO. 485, ANGOORI BAADI, FARM NO. AA2, ANSAL VILLA, SATBADI, CHATTARPUR, NEW DELHI-110074

DATE OF REGISTRATION	05/08/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	271750	
CLASS	11-99	

## 1)JAGDISHBHAI KARAMSHIBHAI GHIYAD (ADULT AND INDIAN NATIONAL) HAVING PLACE OF BUSINESS AT-

BHAWANI ROADWAYS WALI SHERI, SHAKTI SOCIETY, SHERI NO. 1, NR. GREENLAND CROSS ROAD, RAJKOT-GUJARAT (INDIA)

DATE OF REGISTRATION	28/04/2015
TITLE	JEWELLERY BOX



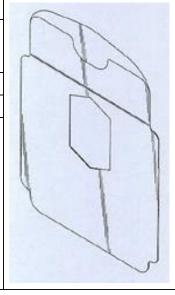
#### PRIORITY NA

DESIGN NUMBER	265747
CLASS	09-05

## 1)ETHICON, INC., A CORPORATION FORMED UNDER THE LAW OF THE STATE OF NEW JERSEY, OF

U.S. ROUTE 22, SOMERVILLE, NJ 08876, U.S.A.

DATE OF REGISTRATION	18/09/2014
TITLE	DISPENSING PACKAGE



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/485,326	18/03/2014	U.S.A.

DESIGN NUMBER	267836
CLASS	12-11

#### 1)RAJ INDUSTRIES, OF

SUA ROAD, ESTMAN CHOWK, JASPAL BANGAR ROAD, LUDHIANA (PUNJAB), INDIA, SOLE PROPRIETARY FIRM WHOSE PROPRIETOR IS SH. RAJ KUMAR, INDIAN OF ABOVE ADDRESS

DATE OF REGISTRATION	01/12/2014
TITLE	WHEEL FOR TRICYCLES



#### PRIORITY NA

2014-014767

DESIGN NUMBER		268384
CLASS		12-11
1)HONDA MOTOR CO., LTD., A 1-1, MINAMI-AOYAMA 2-CHC		
DATE OF REGISTRATION		24/12/2014
TITLE	Mo	OTORCYCLE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY



DESIGN NUMBER	269551
CLASS	05-05

04/07/2014

JAPAN

# 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	12/02/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER		271517	
CLASS		06-01	
1)MILSCO MANUFACTURIN INCORPORATED, A CORPOR STATE OF WISCONSIN, OF 9009 NORTH 51ST STREE	ATION ORGANIZEI	O UNDER THE LAWS (	
DATE OF REGISTRATION		20/04/2015	
TITLE		VEHICLE SEAT	
PRIORITY NA			
DESIGN NUMBER		267275	
CLASS		23-01	
1)PERLICK CORPORATION 8300 W.GOOD HOPE ROAD		23-0098 U.S.A.	
DATE OF REGISTRATION		07/11/2014	
TITLE		FAUCET	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/490, 285	08/05/2014	U.S.A.	
DESIGN NUMBER		268414	
CLASS		16-05	
1)CARL ZEISS MEDITEC AG EXISTING UNDER THE LAWS GOESCHWITZER STRASSE	OF GERMANY, OF		
DATE OF REGISTRATION	24,	/12/2014	(L. Co
TITLE	STAND OF SUR	GICAL MICROSCOPE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201430212134.0	30/06/2014	CHINA	~

DESIGN NUMBER		270687	
CLASS		14-03	
1)SAMSUNG ELECTRON 129, SAMSUNG-RO, YEO REPUBLIC OF KOREA, A CO	NGTONG-GU, SU	WON-SI, GYEONGGI-DO, 443-742 JBLIC OF KOREA	2,
DATE OF REGISTRATION		27/03/2015	
TITLE		MOBILE PHONE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
30-2014-0048507	08/10/2014	REPUBLIC OF KOREA	
DESIGN NUMBER		269513	PROCE PLEASURE NEW
CLASS		05-05	
REGISTERED OFFICE AT A-26, CENTRAL PARK, O DATE OF REGISTRATION TITLE	SIDC, PANDESARA	A, SURAT-394221 GUJARAT  11/02/2015  TEXTILE FABRIC	
PRIORITY NA		TEATILE PABRIC	
DESIGN NUMBER		264530	
CLASS		05-05	
1)RAW MANGO PRIVATI KHASARA NO. 485, ANG SATBADI, CHATTARPUR, N	OORI BAADI, FAI	RM NO. AA2, ANSAL VILLA,	
DATE OF REGISTRATION		05/08/2014	
TITLE		TEXTILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	271752
CLASS	11-99

## 1)JAGDISHBHAI KARAMSHIBHAI GHIYAD (ADULT AND INDIAN NATIONAL) HAVING PLACE OF BUSINESS AT-

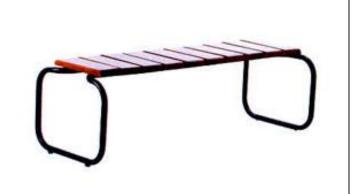
BHAWANI ROADWAYS WALI SHERI, SHAKTI SOCIETY, SHERI NO. 1, NR. GREENLAND CROSS ROAD, RAJKOT-GUJARAT (INDIA)

DATE OF REGISTRATION	28/04/2015
TITLE	JEWELLERY BOX



#### PRIORITY NA

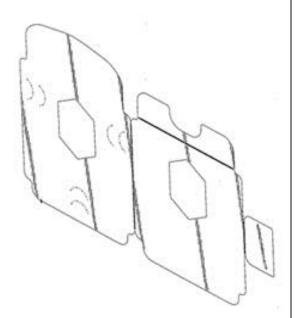
DESIGN NUMBER	270785		
CLASS	06-01		
	<b>UTE OF DESIGN LOCATED AT</b> D-380007, GUJARAT, HAVING AN		
DATE OF REGISTRATION	30/03/2015		



DESIGN NUMBER	265749
CLASS	09-05
1)ETHICON, INC., A CORPORATION FORMED UNDER THE LAW OF THE STATE OF NEW JERSEY, OF	

U.S. ROUTE 22, SOMERVILLE, NJ 08876, U.S.A.	
DATE OF REGISTRATION 18/09/2014	
TITLE DISPENSING PACKAGE	

PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/485,326	18/03/2014	U.S.A.



DESIGN NUMBER		26796	1	
CLASS	09-07			
1)THE PROCTER & GAMBLE CO INCORPORATED UNDER THE LA HAVING ITS REGISTERED OFFIC ONE PROCTER & GAMBLE PLA STATES OF AMERICA	WS OF UNITED STA E AT	ATES C	OF AMERICA,	
DATE OF REGISTRATION	0	)5/12/20	14	
TITLE		CAP		
PRIORITY				
PRIORITY NUMBER	DATE	(	COUNTRY	
29/493688	12/06/2014	Ţ	J.S.A.	
DESIGN NUMBER		268762	2	
CLASS		23-02		
1)K. K. NAG LIMITED, A COMPACOMPANIES ACT, OF GAT NO. 393, AT POST: URSE, T DATE OF REGISTRATION TITLE  PRIORITY NA	ALUKA: MAVAL, DI	IST. PU 09/01/20 WASH :	NE-410506 15 STATION	
DESIGN NUMBER	268381			
1)HONEYWELL INTERNATIONA EXISTING UNDER THE LAWS OF 101 COLUMBIA ROAD, P.O. BOY USA	THE STATE OF DE	LAWA	N ORGANIZED AND RE, OF	
DATE OF REGISTRATION	24/12/2014		14	The state of the s
TITLE	OPTICAL BLOCK FOR SMOKE DETECTORS		T.M.	
PRIORITY				The A
PRIORITY NUMBER	DATE COUNTRY		COUNTRY	

U.S.A.

26/06/2014

29/495,063

DESIGN NUMBER	269519
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	11/02/2015
TITLE	TEXTILE FABRIC



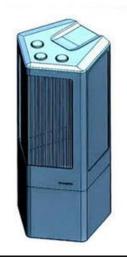
#### PRIORITY NA

DESIGN NUMBER	271847
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	01/05/2015
TITLE	AIR COOLER



#### PRIORITY NA

DESIGN NUMBER	270979
CLASS	05-05

## 1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SATISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

DATE OF REGISTRATION	06/04/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	254929
CLASS	25-01

# 1)SK STEELTECH., A SOLE PROPRIETARY CONCERN, REPRESENTED BY ITS PROPRIETORIX K. NIRMALA RANI, AN INDIAN NATIONAL, HAVING OFFICE AT

NO: 162/A, 2ND MAIN ROAD, INDUSTRIAL TOWN, RAJAJINAGAR, BANGALORE-560044, KARNATAKA, INDIA

DATE OF REGISTRATION	02/07/2013	
TITLE	ROD	
PRIORITY NA		
DESIGN NUMBER	267834	



1)BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI, PILANI CAMPUS, VIDYA VIHAR, PILANI-333031, RAJASTHAN, INDIA

DATE OF REGISTRATION	01/12/2014
TITLE	RAPID DIGITAL DIAGNOSTIC DEVICE



DESIGN NUMBER	268303
CLASS	09-03

1)M/S PROMENS (INDIA) PVT. LTD. WHOSE ADDRESS IS,-601, VENUS ATLANTIS CORPORATE PARK, ANANDNAGAR ROAD, PRAHLADNAGAR, AHMEDABAD-380015, GUJARAT, INDIA

DATE OF REGISTRATION	19/12/2014	
TITLE	CONTAINER	

#### PRIORITY NA





DESIGN NUMBER	268383
CLASS	26-06

1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556, JAPAN

DATE OF REGISTRATION	24/12/2014
TITLE	FRONT LAMP FOR MOTOR SCOOTER

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-014772	04/07/2014	JAPAN



DESIGN NUMBER	272209	
CLASS	08-03	

#### 1)BHAGWATI TOOLS & FORGINGS,

NEAR DUSHEHRA GROUND, BASTI SHEIKH, JALANDHAR-144002 (PUNJAB) INDIA. AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS :- ASHWANI GAMBHIR BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	18/05/2015	
TITLE	TUBALAR HEXA FRAME HANDLE	



#### PRIORITY NA

DESIGN NUMBER	271338
CLASS	12-16
1/HONDA MOTOR CO. LTD. A LABANESE CORRORATION	

#### 1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION,

OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556, JAPAN

DATE OF REGISTRATION	13/04/2015	
TITLE	FRONT SIDE COWL FOR MOTORCYCLE	



PRIORITY NUMBER	DATE	COUNTRY
2014-023347	17/10/2014	JAPAN



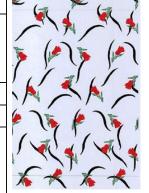
DESIGN NUMBER		268768	
CLASS		23-02	
1)RAMBOLL UK LIMITED, A 1 60 NEWMAN STREET, LONDO		OF	
DATE OF REGISTRATION	0	09/01/2015	
TITLE	CUBICL	E FOR A TOILET	
PRIORITY PRIORITY NUMBER 4036353	DATE 11/07/2014	COUNTRY U.K.	
DESIGN NUMBER		268386	
CLASS		12-16	
1)HONDA MOTOR CO., LTD., 1-1, MINAMI-AOYAMA 2-CHO			
DATE OF REGISTRATION	24	/12/2014	1
TITLE	REAR COVER	FOR MOTORCYCLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2014-014769	04/07/2014	JAPAN	
DESIGN NUMBER		269589	
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & UNDER THE PROVISION OF CO REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC,	OMPANIES ACT, 1956	HAVING ITS	ED ( )
DATE OF REGISTRATION	1	3/02/2015	
TITLE	TEX	TILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	269159
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	29/01/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	269271
CLASS	24-01

#### 1)DR. HIMANSHU PATEL OF

CANDORE BIOSCIENCE, 1ST FLOOR SHASHWAT BUILDING, NR. NARANPURA CROSS ROAD, AHMEDABAD-380013, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	03/02/2015
TITLE	EMBRYO FREEZE/THAW DEVICE



#### PRIORITY NA

DESIGN NUMBER	272246
CLASS	28-03

#### 1) UDIT AGARWAL, AN INDIAN CITIZEN,

 $\mbox{C/O}$  GANGA SANITARY STORE, STATION ROAD, MORADABAD-244001, UP, INDIA

DATE OF REGISTRATION	20/05/2015
TITLE	SOAP DISH



DESIGN NUMBER	266815
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



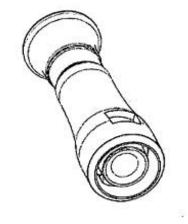
#### PRIORITY NA

	DESIGN NUMBER	268111
	CLASS	24-01
1) RECTON DICKINSON FRANCE A CORPORATION ORGANIZED LINDER		A CORPORATION ORGANIZED UNDER

### 1)BECTON DICKINSON FRANCE, A CORPORATION ORGANIZED UNDER THE LAWS OF FRANCE, OF

RUE ARISTIDE BERGÈS, 38800 LE PONT DE CLAIX, FRANCE

DATE OF REGISTRATION	10/12/2014
TITLE	NEEDLE SAFETY DEVICE



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002486472-0001	20/06/2014	OHIM

DESIGN NUMBER	269813
CLASS	23-01
1)DANFOSS A/S, A DANISH COMPANY, OF NORDBORGVEJ 81, DK-6430 NORDBORG, DENMARK	
DATE OF REGISTRATION	24/02/2015
TITLE	EXPANSION VALVE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002541706-0001	19/09/2014	OHIM



DESIGN NUMBER	269599
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	13/02/2015
TITLE	TEXTILE FABRIC



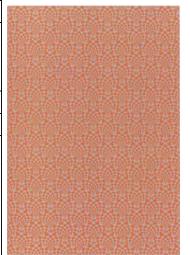
#### PRIORITY NA

DESIGN NUMBER	269168
CLASS	05-05
4) GYDDYYY YYYY YYYY YYYYO TOGOOD O	DIVERSITY OF A GOLDANY DEGREEDED

## 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	29/01/2015
TITLE	TEXTILE FABRIC



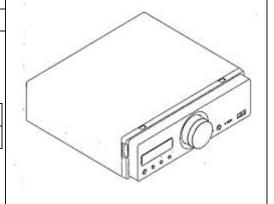
#### PRIORITY NA

DESIGN NUMBER	271429
CLASS	14-01

#### 1)SONY CORPORATION,

A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, 1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN

DATE OF REGISTRATION	16/04/2015
TITLE	DIGITAL AUDIO PLAYER FOR CAR



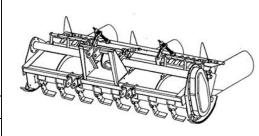
#### PRIORITY

- 1			
	PRIORITY NUMBER	DATE	COUNTRY
	201430521397.X	12/12/2014	CHINA

DESIGN NUMBER	268595
CLASS	15-03

1)SALUNKHE SONALKUMAR SURESHRAO, INDIAN NATIONAL, PLOT NO. B/12, M.I.D.C., ISLAMPUR, TALUKA-WALWA, SANGLI-415409, MAHARASHTRA, INDIA AND SHINDE SANDEEP HINDURAO, INDIAN NATIONAL, 27, SWABHIMAN, MOTIBAG, HSG. SOC, PUNE-SATARA ROAD, PUNE, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	01/01/2015
TITLE	AGRICULTURAL IMPLEMENT
PRIORITY NA	



CLASS	24-01
1)CARL ZEISS MEDITEC AG, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF GERMANY, OF	

268296

GERMANY

GOESCHWITZER STRASSE 51-52, 07745 JENA, GERMANY

DATE OF REGISTRATION		19/12/2014
TITLE	OPHT	HALMIC CASSETTE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY

23/06/2014

DESIGN NUMBER	269515
CLASS	05-05



A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	11/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

**DESIGN NUMBER** 

40 2014 100 530.3

DESIGN NUMBER	269699
CLASS	15-03

#### 1)SUKHPIAR SINGH,

VILLAGE TARN TARAN MAUR, DISTT. BARNALA-148101 (PUNJAB), INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	19/02/2015
TITLE	COMBINE HARVESTER



#### PRIORITY NA

DESIGN NUMBER	264532
CLASS	05-05
AND A WALL AND O DOWN A TOTAL AND	

#### 1) RAW MANGO PRIVATE LIMITED, NATIONALITY-INDIAN,

KHASARA NO. 485, ANGOORI BAADI, FARM NO. AA2, ANSAL VILLA, SATBADI, CHATTARPUR, NEW DELHI-110074

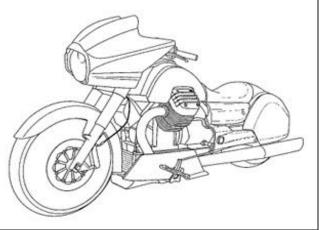
TITLE TEYTH E EARDIC	DATE OF REGISTRATION	05/08/2014
TEATLE PADRIC	TITLE	TEXTILE FABRIC



DESIGN NUMBER	271757	
	_,	
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	28/04/2015
TITLE	MOTORCYCLE
PRIORITY	

PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
002569285	31/10/2014	OHIM



DESIGN NUMBER		202347	
CLASS		09-01	
1)SWISS PERSONAL CARE PY INCORPORATED UNDER THE BARODA-JAMBUSAR N. HIG 391440, DIST. BARODA (GUJARA	C <b>OMPANIES ACT, 195</b> 6 H WAY ROAD, AT & PO	Ď	
DATE OF REGISTRATION	14	4/12/2005	
TITLE	CO	NTAINER	
PRIORITY NA			
DESIGN NUMBER		271480	
CLASS		09-01	
1)CROWN DISTILLERIES PVT OPP. DR. DHIR NURSING HO CHHATTISGARH, INDIA			
DATE OF REGISTRATION	1′	7/04/2015	
TITLE	I	BOTTLE	
PRIORITY NA			
DESIGN NUMBER		265751	
DESIGN NUMBER CLASS		265751 09-05	
	ATION FORMED UND	09-05	
CLASS  1)ETHICON, INC., A CORPOR STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE	ATION FORMED UNDI	09-05	
CLASS  1)ETHICON, INC., A CORPOR STATE OF NEW JERSEY, OF	ATION FORMED UNDE E, NJ 08876, U.S.A.	09-05 ER THE LAW OF THE	
CLASS  1)ETHICON, INC., A CORPOR STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE DATE OF REGISTRATION TITLE  PRIORITY	ATION FORMED UNDI E, NJ 08876, U.S.A. 18 DISPENS	09-05 ER THE LAW OF THE 8/09/2014 SING PACKAGE	
CLASS  1)ETHICON, INC., A CORPOR STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE DATE OF REGISTRATION TITLE	ATION FORMED UNDE E, NJ 08876, U.S.A.	09-05 ER THE LAW OF THE 8/09/2014	

DESIGN NUMBER	268478
CLASS	23-01

#### 1)MR. P.J. SEEJO (AN INDIAN CITIZEN), PROPRIETOR,

AQUA STAR, XV/733/1, SHORNUR ROAD, PERINGAVU, THIRUVAMBADI P.O., THRISSUR-680022, KERALA STATE, INDIA.

DATE OF REGISTRATION	30/12/2014
TITLE	DEVICE FOR DRAINING WATER

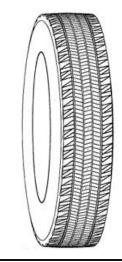


#### PRIORITY NA

DESIGN NUMBER	268309
CLASS	12-15

1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON- F-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND

DATE OF REGISTRATION	19/12/2014
TITLE	TYRE



#### **PRIORITY**

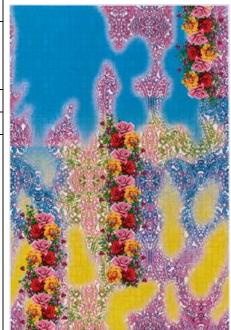
П	IMOMII		
	PRIORITY NUMBER	DATE	COUNTRY
	14/2850	23/06/2014	FRANCE

DESIGN NUMBER	269590
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	13/02/2015
TITLE	TEXTILE FABRIC



1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT	
CLASS	05-05
DESIGN NUMBER	269160

DATE OF REGISTRATION	29/01/2015	
TITLE	TEXTILE FABRIC	

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT



#### PRIORITY NA

DESIGN NUMBER 272263				
<b>CLASS</b> 23-03				
1)KHAITAN (INDIA) LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT				

46C, JAWAHAR LAL NEHRU ROAD, KOLKATA 700071, WEST BENGAL, IND		
DATE OF REGISTRATION	21/05/2015	
TITLE	GEYSER	



#### PRIORITY NA

DESIGN NUMBER	271569
CLASS	09-01

#### 1)MANJUSHREE TECHNOPACK LIMITED,

OF 60 E & F, BOMMASANDRA INDUSTRIAL AREA, HOSUR ROAD, BANGALORE-560099, KARNATAKA, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	21/04/2015	
TITLE	DISPENSING DOSAGE BOTTLE	



DESIGN NUMBER	268637
CLASS	07-01

### 1)MR. MAHESH S. SHETHIA, SOLE PROPERITOR OF KRUPA INDUSTRIES-AN INDIAN COMPANY,

228-B, BOMBAY TALKIES COMPOUND, MALAD (WEST), MUMBAI-400064, MAHARASHTRA, INDIA

	DATE OF REGISTRATION	05/01/2015
TITLE LUNCH BOX	TITLE	LUNCH BOX



#### PRIORITY NA

DESIGN NUMBER	269518
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	11/02/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	271827	
CLASS	15-05	

### 1)3M INNOVATIVE PROPERTIES COMPANY, A COMPANY INCORPORATED IN THE STATE OF DELAWARE OF

3M CENTER, SAINT PAUL, MINNESOTA 55133-3427, U.S.A.

DATE OF REGISTRATION	30/04/2015	
TITLE	PNEUMATIC DUST EXTRACTION UNIT	



DESIGN NUMBER		202485	
CLASS		31-00	W
1)GOVINDHAN CHELLAPPAN JANATHA MACHINES A SOLE P CONCERN, HAVING OFFICE A ALAPPUZHA DIST., KERALA, INI	<b>ROPRIETARY</b> T KARTHIKAPALLY P		#
DATE OF REGISTRATION	10	6/12/2005	
TITLE	APPARATUS FO	R PREPARING FONDUE	
PRIORITY NA			40
DESIGN NUMBER		265754	
CLASS		09-05	
1)ETHICON, INC., A CORPORATION FORMED UNDER THE LAW OF THE STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE, NJ 08876, U.S.A.			
DATE OF REGISTRATION	18	8/09/2014	
TITLE	DISPENS	SING PACKAGE	1 1 1 1
PRIORITY PRIORITY NUMBER 29/485,326	DATE 18/03/2014	COUNTRY U.S.A.	
DESIGN NUMBER	267936		
CLASS		07-02	
1)DART INDUSTRIES INC. A CO OF THE U.S.A. HAVING ITS REG 14901 S. ORANGE BLOSSOM T	RISTERED OFFICE AT TRAIL ORLANDO, FLOI	ATED UNDER THE LAWS	
DATE OF REGISTRATION		5/12/2014	
TITLE	STORAGE CONTAINER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	1 1
29/496,891	18/07/2014	U.S.A.	

DESIGN NUMBER	272428
CLASS	31-00

## 1)KENWOOD LIMITED, A COMPANY EXISTING UNDER THE LAWS OF UNITED KINGDOM,

1 KENWOOD BUSINESS PARK, NEW LANE, HAVANT, HAMPSHIRE, PO9 2NH, UNITED KINGDOM

DATE OF REGISTRATION	29/05/2015	
TITLE	BLENDER BLADE	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
001426977	05/12/2014	OHIM

DESIGN NUMBER	271438
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

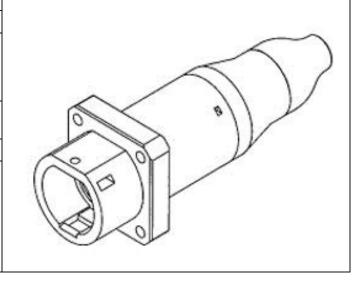
DESIGN NUMBER	267952
CLASS	13-03
1)JAPAN AVIATION ELECTRONICS INDUSTRY,	

21-2, DOGENZAKA 1-CHOME, SHIBUYA-KU, TOKYO 150-0043 JAPAN

DATE OF REGISTRATION	05/12/2014	
TITLE	CONNECTOR	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-012949	16/06/2014	JAPAN



DESIGN NUMBER		268297	
CLASS		24-01	
1)CARL ZEISS MEDITEC AG EXISTING UNDER THE LAWS GOESCHWITZER STRASSE:	OF GERMANY, OF		
DATE OF REGISTRATION	19	9/12/2014	
TITLE	ОРНТНАІ	LMIC CASSETTE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
40 2014 100 531.1	23/06/2014	GERMANY	
DESIGN NUMBER		269516	
CLASS		05-05	
REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDO DATE OF REGISTRATION	C, PANDESARA, SUR		
DATE OF REGISTRATION		11/02/2015	
TITLE	Т	EXTILE FABRIC	Washington March
PRIORITY NA			
DESIGN NUMBER	264533		
CLASS		05-05	
1) <b>RAW MANGO PRIVATE LI</b> KHASARA NO. 485, ANGOO SATBADI, CHATTARPUR, NEW	RI BAADI, FARM NO		
DATE OF REGISTRATION		05/08/2014	
TITLE	T	EXTILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	271806
CLASS	14-02

### 1)LG ELECTRONICS INC., A COMPANY INCORPORATED IN REPUBLIC OF KOREA OF

128, YEOUI-DAERO, YEONGDEUNGPO - GU, SEOUL, 150-721, KOREA; NATIONALITY: REPUBLIC OF KOREA

DATE OF REGISTRATION			29/04/2015
TITLE		PORTABLE MOBILE PRINTER	
PRIORITY			
PRIORITY NUMBER	DA	TE	COUNTRY
30-2014-0056638	24/	11/2014	REPUBLIC OF KOREA

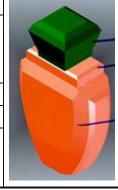


DESIGN NUMBER	202351
CLASS	09-01

### 1)PRACHIN AYURVEDIC SANSKRUTI PVT. LTD., AN INDIAN NATIONAL COMPANY INCORPORATED UNDER THE COMPANIES

ACT, 1956 BARODA-JAMBUSAR N. HIGH WAY ROAD, AT & PO. DABHASA, TA. PADRA-391440, DIST. BARODA (GUJARAT), INDIA.

DATE OF REGISTRATION	14/12/2005
TITLE	CONTAINER



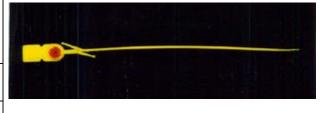
#### PRIORITY NA

DESIGN NUMBER	271481
CLASS	09-07

## 1)N G TREXIM PVT LTD (AN INDIAN PRIVATE COMPANY DULY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1956)

OF 29B RABINDRA SARANI, 3RD FLOOR, ROOM NO. 1/E, KOLKATA 700073

DATE OF REGISTRATION	17/04/2015
TITLE	SEAL
PRIORITY NA	



DESIGN NUMBER	<u> </u>	265752	
CLASS	09-05		
1)ETHICON, INC., A CORPORAT STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE, N			A
DATE OF REGISTRATION		3/09/2014	11 Inh
TITLE	DISPENS	ING PACKAGE	44111
PRIORITY	L		dallb
PRIORITY NUMBER	DATE	COUNTRY	2 7 M
29/485,326	18/03/2014	U.S.A.	W
DESIGN NUMBER		267962	
CLASS		23-02	
1)JOINT NAME OF NATIONAL INSTITUTE OF DESIGN LOCATED AT PALDI, AHMEDABAD-380007, GUJARAT AND RUTUL SHAH, THE STUDENT OF NATIONAL INSTITUTE OF DESIGN FOR THE CONCERNED DESIGN, HAVING NATIONALITY AS INDIAN			
DATE OF REGISTRATION	0:	5/12/2014	0 0
TITLE	TO	ILET SEAT	
PRIORITY NA			
DESIGN NUMBER	267817		
CLASS	09-01		•
1)SOM DISTILLERIES & BREW! 23, ZONE II, MAHARANA PRAT PRADESH		-462011, MADHYA	
DATE OF REGISTRATION	28/11/2014		A SA
TITLE	BOTTLE		
PRIORITY NA			Divised Signature of the Contract of the Contr

DECICAL MUMBED		268302	1
DESIGN NUMBER	24-04		_
CLASS  1)GANESH RAM JANGIR, 133-B, DRONPURI, OPPOSITE C NAGAR, JAIPUR-302021, INDIA	HITRAKOOT 200FIT		0_0
DATE OF REGISTRATION	1	9/12/2014	
TITLE		FOR SPINE AND WAIST SUPPORT	
PRIORITY NA			
DESIGN NUMBER		268382	
CLASS		29-01	
1)HONEYWELL INTERNATION AND EXISTING UNDER THE LAW 101 COLUMBIA ROAD, P.O. BO 2245, USA	VS OF THE STATE O	F DELAWARE, OF	
DATE OF REGISTRATION	24	4/12/2014	
TITLE	OPTICAL BLOCK I	FOR SMOKE DETECTORS	4 May
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/495,067	26/06/2014	U.S.A.	_
DESIGN NUMBER		269520	
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & F UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, P.	ANDESARA, SURAT-	HAVING ITS 394221 GUJARAT	D
DATE OF REGISTRATION	+	1/02/2015	
TITLE	TEX	ΓILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	271848
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	01/05/2015
TITLE	AIR COOLER



#### PRIORITY NA

DESIGN NUMBER	271330
CLASS	13-02

#### 1)KULDEEP KAUR, WHOSE ADDRESS IS

AMAR KOT PLOT NO-93 NEAR NAV BHARAT SCHOOL PUTLIGHAR AMRITSAR, INDIA AN INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	13/04/2015
TITLE	BATTERY



#### PRIORITY NA

DESIGN NUMBER	271493
CLASS	23-04

## 1)WIM PLAST LIMITED, A PUBLIC LIMITED COMPANY REGISTERED UNDER THE PROVISION OF INDIAN COMPANIES ACT, 1956, HAVING OFFICE ADDRESS

AT 5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	17/04/2015
TITLE	AIR COOLER



DESIGN NUMBER	267119
CLASS	10-04

#### 1)ELICO LIMITED

B-90, A.P.I.E, SANATHNAGAR HYDERABAD-500018, ANDHRA PRADESH. AN INDIAN COMPANY

DATE OF REGISTRATION	30/10/2014	
TITLE	FOURIER TRANSFORM INFRARED SPECTROPHOTOMETER	



#### PRIORITY NA

DESIGN NUMBER	268364	
CLASS	19-06	

### 1)KOKUYO CAMLIN LIMITED, A COMPANY REGISTERED UNDER THE PROVISIONS OF COMPANIES ACT, 1956, HAVING REGISTERED OFFICE AT

48/2 HILTON HOUSE, CENTRAL ROAD, MIDC, OPP. TUNGA PARADISE HOTEL, ANDHERI (EAST), MUMBAI-400093, MAHARASHTRA, INDIA

DATE OF REGISTRATION	23/12/2014	
TITLE	MATHEMATICAL INSTRUMENTS BOX	



#### PRIORITY NA

DESIGN NUMBER	270202	
CLASS	28-03	
1) YOUNG THE DIE THE PRINT HE AND THE COMPANY OF CAMPER AND EXPORTED A		

1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS

HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION	09/03/2015	
TITLE	SHAVER	



П	INOMII		
	PRIORITY NUMBER	DATE	COUNTRY
	002533810-0001	09/09/2014	OHIM



DESIGN NUMBER		269509	
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & 2 UNDER THE PROVISION OF CO REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, F	MPANIES ACT, 1956 H	COMPANY REGISTERE IAVING ITS	D
DATE OF REGISTRATION	1:	1/02/2015	
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		270506	
CLASS		09-05	
1)FIXWELL INDUSTRIES, 167, 2 BAGH WEST, NEAR MADIPUR M (AN INDIAN PROPRIETORSHII AN INDIAN NATIONAL OF THE A	IETRO STATION, NEV PFIRM WHOSE PROPR	W DELHI-110026, INDIA.	
DATE OF REGISTRATION	23	3/03/2015	
TITLE	PACK.	AGING TUBE	
PRIORITY NA			PIXWell FIXWell
DESIGN NUMBER	DESIGN NUMBER 269053		
CLASS	28-03		G
1)KONINKLIJKE PHILIPS N.V., UNDER THE LAWS OF THE KIN EINDHOVEN, WHOSE POST-OFI HIGH TECH CAMPUS 5, 5656 A	GDOM OF THE NETH FICE ADDRESS IS	ERLANDS, RESIDING A	Т
DATE OF REGISTRATION	23	3/01/2015	/ M
TITLE	BODY GROOMER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	_
002508978-0001	25/07/2014	OHIM	

DESIGN NUMBER	271748	
CLASS	08-06	

### 1)RAJESHBHAI SAMBHUBHAI KOTADIYA (ADULT & INDIAN NATIONALS) HAVING PLACE OF BUSINESS AT-

1/8, RAMNAGAR, 80, FEET ROAD, B/H. K. RASHIKLAL, RAJKOT-360003 GUJARAT (INDIA)

DATE OF REGISTRATION	28/04/2015
TITLE	HANDLE



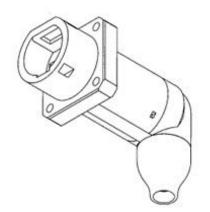
#### PRIORITY NA

DESIGN NUMBER	267953	
CLASS	13-03	

### 1)JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED, A JAPANESE CORPORATION, OF

21-2, DOGENZAKA 1-CHOME, SHIBUYA-KU, TOKYO 150-0043 JAPAN

DATE OF REGISTRATION	05/12/2014	
TITLE	CONNECTOR	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-012950	16/06/2014	JAPAN

DESIGN NUMBER	269517
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	11/02/2015
TITLE	TEXTILE FABRIC

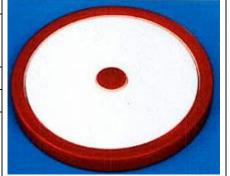


DESIGN NUMBER	271812
CLASS	07-06

#### 1)CARBORUNDUM UNIVERSAL LIMITED, AN INDIAN COMPANY

OF PARRY HOUSE, 6TH FLOOR, NO. 43, MOORE STREET, CHENNAI 600001, INDIA

DATE OF REGISTRATION	29/04/2015
TITLE	COASTER



#### PRIORITY NA

DESIGN NUMBER	202352
CLASS	09-01

### 1)PRACHIN AYURVEDIC SANSKRUTI PVT. LTD., AN INDIAN NATIONAL COMPANY INCORPORATED UNDER THE COMPANIES

ACT, 1956 BARODA-JAMBUSAR N. HIGH WAY ROAD, AT & PO. DABHASA, TA. PADRA-391440, DIST. BARODA (GUJARAT), INDIA.

DATE OF REGISTRATION	14/12/2005
TITLE	CONTAINER

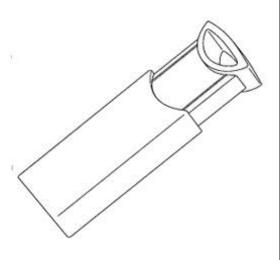


#### PRIORITY NA

DESIGN NUMBER	271483	
CLASS	14-02	
1)KABUSHIKI KAISHA TOSHIBA, A JAPANESE CORPORATION, OF 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN		
DATE OF REGISTRATION	17/04/2015	
TITLE	DATA RECORDING DEVICE	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-024250	30/10/2014	JAPAN



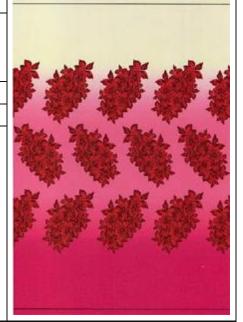
DESIGN NUMBER	265753		
CLASS	09-05		
1)ETHICON, INC., A CORPORA STATE OF NEW JERSEY, OF U.S. ROUTE 22, SOMERVILLE,		ER THE LAW OF THE	
DATE OF REGISTRATION	1	8/09/2014	
TITLE	DISPENS	SING PACKAGE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/485,326	18/03/2014	U.S.A.	
DESIGN NUMBER		268415	
CLASS		09-07	
ADDRESS AT 39/1/2/2 NR. PRASWANATH ESTATE, C.T.M. CROSS ROAD AMRAIWADI, AHMEDABAD-380026, INDIA BY NATIONALITY INDIAN  DATE OF REGISTRATION 24/12/2014			
TITLE	BOTTLE CAP		
PRIORITY NA	ВО	TILE CAI	
DESIGN NUMBER 268594			
CLASS		09-03	
1)DR. REDDY'S LABORATORII 8-2-337, ROAD NO. 3, BANJARA 500034		D, TELANGANA, INDIA-	
DATE OF REGISTRATION	0	1/01/2015	
TITLE	DISPENSER		
PRIORITY NA			

DESIGN NUMBER 269514
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	11/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	264531
CLASS	05-05
1)RAW MANGO PRIVATE LIMITED, NATIONALITY-INDIAN,	

1)RAW MANGO PRIVATE LIMITED, NATIONALITY-INDIAN, KHASARA NO. 485, ANGOORI BAADI, FARM NO. AA2, ANSAL VILLA, SATBADI, CHATTARPUR, NEW DELHI-110074

DATE OF REGISTRATION	05/08/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER	271753	
CLASS	12-11	
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN		
DATE OF REGISTRATION 28/04/2015		
TITLE	MOTORCYCLE	



PRIORITY NUMBER	DATE	COUNTRY
2014-024439	31/10/2014	JAPAN



DESIGN NUMBER	271476
CLASS	08-06

### 1)SANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE OF BUSINESS

AT NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA

TITLE	HANDLE
DATE OF REGISTRATION	17/04/2015



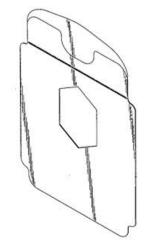
#### PRIORITY NA

DESIGN NUMBER	265750	
CLASS	09-05	
AND THE RESERVE AND A CORPORATION FOR A STATE OF THE PARTY OF THE PART		

### 1)ETHICON, INC., A CORPORATION FORMED UNDER THE LAW OF THE STATE OF NEW JERSEY, OF

U.S. ROUTE 22, SOMERVILLE, NJ 08876, U.S.A.

DATE OF REGISTRATION	18/09/2014
TITLE	DISPENSING PACKAGE



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/485,326	18/03/2014	U.S.A.

DESIGN NUMBER	268313
CLASS	23-02

### 1)M/S. SUMAN SMRITI SANSTHAN, A SOCIETY REGISTERED UNDER THE SOCIETY REGISTRATION ACT, 1860, OF THE ADDRESS:

111A/248, ASHOK NAGAR, KANPUR, UTTAR PRADESH AND REPRESENTED THROUGH ITS CHAIRMAN SHRI. SANJEEV KRISHAN SHARMA, AN INDIAN NATIONAL

DATE OF REGISTRATION	22/12/2014
TITLE	URINAL SANITARY DEVICE



DESIGN NUMBER	269809		
CLASS	23-01		
1)DANFOSS A/S, A DANISH COM NORDBORGVEJ 81, DK-6430 NO			
DATE OF REGISTRATION	24	1/02/2015	
TITLE	EXPAN	SION VALVE	
PRIORITY	•		
PRIORITY NUMBER	DATE	COUNTRY	
002541706-0004	19/09/2014	OHIM	
DESIGN NUMBER		269594	
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & F UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, P.	MPANIES ACT, 1956 H	AVING ITS	
DATE OF REGISTRATION	13	3/02/2015	
TITLE	TEXT	ILE FABRIC	
PRIORITY NA			
DESIGN NUMBER	26	59164	1
CLASS	05-05		888888888888888888888888888888888888888
1)SIDDHI VINAYAK KNOTS & F REGISTERED UNDER THE PROV ITS REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, P.	ISION OF COMPANII	ES ACT, 1956 HAVING	
DATE OF REGISTRATION	29/01/2015		
TITLE	TEXTILE FABRIC		
PRIORITY NA			

DESIGN NUMBER	269512
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	11/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	270387
CLASS	14-02

1)LUMIDIGM, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF

801 UNIVERSITY BOULEVARD SE, SUITE 302, ALBUQUERQUE, NEW MEXICO 87106, UNITED STATES OF AMERICA

DATE OF REGISTRATION	1	6/03/2015
TITLE	COMBINED CARD AND FINGERPRINT READER	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/507 532	28/10/2014	IISΔ

CLASS		05-05	
DESIGN NUMBER		264529	
29/507,532	28/10/2014	U.S.A.	
PRIORITY NUMBER	DATE	COUNTRY	

1)RAW MANGO PRIVATE LIMITED, NATIONALITY-INDIAN, KHASARA NO. 485, ANGOORI BAADI, FARM NO. AA2, ANSAL VILLA, SATBADI, CHATTARPUR, NEW DELHI-110074

DATE OF REGISTRATION	05/08/2014
TITLE	TEXTILE FABRIC

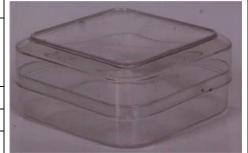


DESIGN NUMBER	271751
CLASS	11-99
4) IA CONCURNATA VADA MONTONIA CHINADA (ADINE AND MIDIAN	

### 1)JAGDISHBHAI KARAMSHIBHAI GHIYAD (ADULT AND INDIAN NATIONAL) HAVING PLACE OF BUSINESS AT-

BHAWANI ROADWAYS WALI SHERI, SHAKTI SOCIETY, SHERI NO. 1, NR. GREENLAND CROSS ROAD, RAJKOT-GUJARAT (INDIA)

DATE OF REGISTRATION	28/04/2015
TITLE	JEWELLERY BOX



#### PRIORITY NA

DESIGN NUMBER	265748
CLASS	09-05

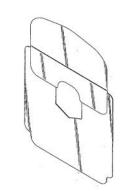
## 1)ETHICON, INC., A CORPORATION FORMED UNDER THE LAW OF THE STATE OF NEW JERSEY, OF

U.S. ROUTE 22, SOMERVILLE, NJ 08876, U.S.A.

DATE OF REGISTRATION	18/09/2014	
TITLE	DISPENSING PACKAGE	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY

18/03/2014

U.S.A.

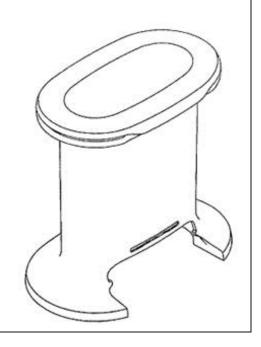


DESIGN NUMBER	267937
CLASS	07-04

### 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	05/12/2014
TITLE	KITCHEN FOOD EXTRUDER



#### **PRIORITY**

29/485,326

PRIORITY NUMBER	DATE	COUNTRY
29/496,195	10/07/2014	U.S.A.

DESIGN NUMBER	268269
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	18/12/2014
TITLE	PORTABLE ELECTRONIC DEVICE



#### **PRIORITY**

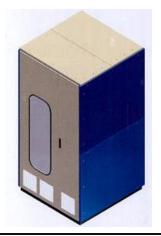
PRIORITY NUMBER	DATE	COUNTRY
30-2014-0042390	29/08/2014	REPUBLIC OF KOREA

DESIGN NUMBER	270174
CLASS	13-99

1)BHARAT HEAVY ELECTRICALS LIMITED, WITH ONE OF ITS REGIONAL OFFICES AT 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, AN INDIAN COMPANY.

DATE OF REGISTRATION	09/03/2015
TITLE	ENCLOSURE FOR CONTROL PANEL



#### PRIORITY NA

DESIGN NUMBER	269506
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	11/02/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	266818
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	269882
CLASS	09-03

1)DR. SWATI MISHRA, NATIONALITY: INDIAN, ADDRESS: DEPARTMENT OF ISBM, SURESH GYAN VIHAR UNIVERSITY, MAHAL, JAGATPURA, JAIPUR (RAJASTHAN) AND DR NITASHA KHATRI, NATIONALITY: INDIAN,

ADDRESS: DEPARTMENT OF COMMERCE, ST. XAVIER'S COLLEGE, HATHORI FORT ROAD, JAIPUR (RAJASTHAN)

DATE OF REGISTRATION	26/02/2015
TITLE	PACKAGING CONTAINER



#### PRIORITY NA

DESIGN NUMBER	269456
CLASS	12-16

#### 1)DAULAT S DESHMUKH,

'RAMGANESH' BUNGLOW, 11/I.C.S. COLONY, NEXT TO NAYAN SOCIETY, GANESHKHIND RD, GANESHKHIND, PUNE, MAHARASHTRA, PIN. 411007, INDIA

DATE OF REGISTRATION	10/02/2015
TITLE	EXTENSION FOR VEHICLE ROOFTOP
PRIORITY NA	



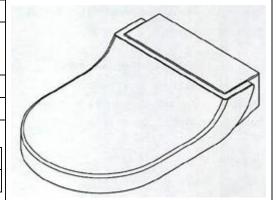
DESIGN NUMBER	272418
CLASS	23-02
1)GEBERIT INTERNATIONA	L AG

SCHACHENSTRASSE 77, 8645 JONA, SWITZERLAND, A COMPANY OF SWITZERLAND

DATE OF REGISTRATION	28/05/2015
TITLE	TOILET SEAT



PRIORITY NUMBER	DATE	COUNTRY
859023801	12/12/2014	WIPO



DESIGN NUMBER	271433
CLASS	09-01
1)SACHIN BHIKHABHAI PATEL,	, AN INDIAN NATIONAL SOLE PROPRIETOR

1)SACHIN BHIKHABHAI PATEL, AN INDIAN NATIONAL SOLE PROPRIETOR OF BHAIRAV BEVERAGES AN INDIAN PROPRIETORSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

ADDRESS;- BLOCK NO. 501, VILLAGE: SEVASI, TALUKA: VADODARA, DIST. VADODARA-391330, GUJARAT-INDIA

DATE OF REGISTRATION	16/04/2015
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	266819
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		



DESIGN NUMBER		267934	
CLASS	09-01		
1)DART INDUSTRIES INC. A COM OF THE U.S.A. HAVING ITS REGIS 14901 S. ORANGE BLOSSOM TRA	TERED OFFICE AT	•	
DATE OF REGISTRATION	0.	5/12/2014	
TITLE	]	BOTTLE	
PRIORITY			Na A
PRIORITY NUMBER	DATE	COUNTRY	
29/498,107	31/07/2014	U.S.A.	
DESIGN NUMBER		268402	
CLASS		08-07	
1)GODREJ & BOYCE MFG. CO. I LOCKS DIVISION (PLANT-18), PI 400079, MAHARASHTRA, INDIA, IN	ROJSHANAGAR, VI	KHROLI, MUMBAI -	
DATE OF REGISTRATION	24/12/2014		4
TITLE	DOOR CLOSER		9 (1:1)
PRIORITY NA			THE RESERVE OF THE PARTY OF THE
DESIGN NUMBER		268217	
CLASS	07-03		
1)TTK PRESTIGE LIMITED, AN I THE COMPANIES ACT 1956, HAVI 11TH FLOOR, BRIGADE TOWER STATE OF KARNATAKA, INDIA	NG ITS PRINCIPAL	PLACE OF BUSINESS AT	Tagilita.
DATE OF REGISTRATION	16/12/2014		
TITLE	KNOB FOR TABLEWARE		-
PRIORITY NA			

DESIGN NUMBER	272419		
CLASS	1	12-11	
1)YAMAHA HATSUDOKI KABU 2500, SHINGAI, IWATA-SHI, SH JAPANESE CORPORATION		3-8501, JAPAN,	A
DATE OF REGISTRATION	28/0	05/2015	
TITLE	MOTOR	R SCOOTER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2014-026546	28/11/2014	JAPAN	
DESIGN NUMBER		268910	
CLASS		15-01	
1)FEDERAL-MOGUL CORPOR 26555 NORTHWESTERN HIGH		D, MI 48033, U	SA
DATE OF REGISTRATION		16/01/2015	
TITLE		PISTON	
PRIORITY			
PRIORITY NUMBER	DATE	COU	NTRY
29/496,734	16/07/2014	U.S.	Α.
DESIGN NUMBER		265607	
CLASS		26-05	
1)EPISTAR CORPORATION, 5 LI-HSIN 5TH RD., SCIENCE-B TAIWAN, (CHINA)	SASED INDUSTRIA	AL PARK HSIN	CHU CITY,
DATE OF REGISTRATION		11/09/2014	
TITLE		LAMP	
PRIORITY			
PRIORITY NUMBER	DATE	COU	NTRY
103301386	11/03/2014	TAIN	VAN



The Patent Office Journal 25/09/2015

DESIGN NUMBER	271436
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	268481
CLASS	12-11

### 1)S. K. AGGARWAL & CO. 103 AICTTA MARKET, SINGLE CYCLE ROAD, DHANDARI KALAN, LUDHIANA-141014, PUNJAB, INDIA.

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:-SHUBNATH AGGARWAL BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	30/12/2014	
TITLE	BRAKE LEVER FOR BICYCLE	



#### PRIORITY NA

DESIGN NUMBER	269807
CLASS	23-01
1)DANEOGS A/S A DANIGH COMPANY OF	

#### 1)DANFOSS A/S, A DANISH COMPANY, OF NORDBORGVEJ 81, DK-6430 NORDBORG, DENMARK

DATE OF REGISTRATION	24/02/2015	
TITLE	EXPANSION VALVE	

PR	IC	)R	IТ	'¥

PRIORITY NUMBER	DATE	COUNTRY
002541706-0002	19/09/2014	OHIM



DESIGN NUMBER	269592
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	13/02/2015
TITLE	TEXTILE FABRIC



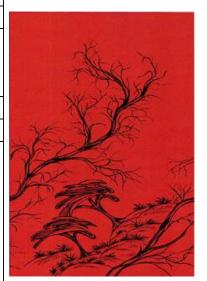
#### PRIORITY NA

DESIGN NUMBER	269162
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	29/01/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	272270
CLASS	11-02

### 1)CHAMPAKSINH GAJRUBHAI RANA AN INDIAN NATIONAL AND HAVING ADDRESS AT

"VASTU", 147, RAVI RESIDANCY, B/H. STERLING HOSPITAL, 150 FEET RING ROAD, RAJKOT (GUJARAT) INDIA

DATE OF REGISTRATION	21/05/2015	
TITLE	FLOWER POT	

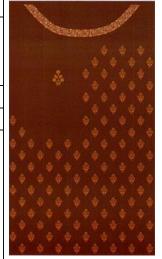


DESIGN NUMBER	270999
CLASS	05-05

### 1)MR. SIDDHARATH BINDRA (INDIAN INHABITANT) S/O LATE SHRI SATISH CHANDER BINDRA,

R/O BINDRA FARM, F-4 ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110074

DATE OF REGISTRATION	06/04/2015	
TITLE	TEXTILE FABRIC	



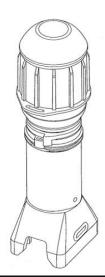
#### PRIORITY NA

DESIGN NUMBER	267968	
CLASS	13-03	

#### 1)PENTAIR THERMAL MANAGEMENT LLC,

307 CONSTITUTION DRIVE, MENLO PARK, CA 94025, U.S.A., NATIONALITY: U.S.A.

DATE OF REGISTRATION	05/12/2014	
TITLE	SIGNAL LAMP	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/493,147	05/06/2014	U.S.A.

DESIGN NUMBER	267837	
CLASS	15-03	

#### 1)M/S. ANGREJ SINGH DILBAG SINGH, OF

MANDI GAJSINGHPUR-335024, DIST. SRI GANGANAGAR (RAJASTHAN), INDIA, SOLE PROPRIETARY FIRM WHOSE PROPRIETOR IS S. ANGREJ SINGH, INDIAN OF ABOVE ADDRESS

	DATE OF REGISTRATION	01/12/2014	
TITLE WHEEL FOR HARVESTER	TITLE	WHEEL FOR HARVESTER	



DESIGN NUMBER	268767	
CLASS	23-02	

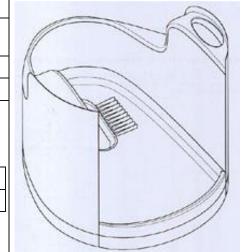
### 1) RAMBOLL UK LIMITED, A BRITISH COMPANY, OF

60 NEWMAN STREET, LONDON W12 3DA, UNITED KINGDOM

DATE OF REGISTRATION	09/01/2015	
TITLE	TOILET	



PRIORITY NUMBER	DATE	COUNTRY
4036352	11/07/2014	U.K.



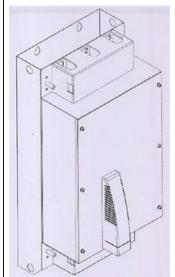
DESIGN NUMBER	268307	
CLASS	13-03	
1) ATLAS COPCO AIRPOWER NAAMLOZE VENNOOTSCHAP OF		

BOOMSESTEENWEG 957, 2610 WILRIJK, BELGIUM, A BELGIAN COMPANY

DATE OF REGISTRATION	19/12/2014	
TITLE	ELECTRICAL CONTROL UNIT	



THOM:			
	PRIORITY NUMBER	DATE	COUNTRY
	002502278-0001	14/07/2014	OHIM



268385			
26-06			
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556, JAPAN			
24/12/2014			
REAR LAMP FOR MOTOR SCOOTER			
PRIORITY			
DATE	COUNTRY		
04/07/2014	JAPAN		
	A JAPANESE CORE OME, MINATO-KU, ' 24 REAR LAMP FO		



DESIGN NUMBER		271535	
CLASS	271535		
1)WIM PLAST LIMITED, A PUBLI UNDER THE PROVISION OF INDIA ADDRESS AT 5 CORPORATE AVENUE, 'B' Y GOREGAON (EAST), MUMBAI-40006	N COMPANIES AC WING, CELLO HOUS	ANY REGISTERED T, 1956, HAVING OFFICE SE, SONAWALA ROAD,	
DATE OF REGISTRATION	20	0/04/2015	
TITLE	AIR	R COOLER	
PRIORITY NA			the difference of the second
DESIGN NUMBER		270670	
CLASS		14-02	
THE LAWS OF TAIWAN) WHOSE A NO. 8, LANE 42, SEC. 2, NAN KEN DATE OF REGISTRATION  TITLE	INCORPORATED AND EXISTING UNDER ADDRESS IS N ROAD, LU-CHU, TAOYUAN 33855, TAIWAN 27/03/2015 FLASH DRIVE		
PRIORITY	D 4 mg	COLDIEDA	
PRIORITY NUMBER 103305803	DATE 01/10/2014	COUNTRY TAIWAN	
DESIGN NUMBER	268365		
CLASS		03-01	
1)KOKUYO CAMLIN LIMITED, A PROVISIONS OF COMPANIES ACT 48/2 HILTON HOUSE, CENTRAL I ANDHERI (EAST), MUMBAI-400093,	<b>', 1956, HAVING RE</b> ROAD, MIDC, OPP. T MAHARASHTRA, IN	GISTERED OFFICE AT UNGA PARADISE HOTEL, IDIA	Camin (4)
DATE OF REGISTRATION	23/12/2014		
PRIORITY NA		BOX	IKON .

DESIGN NUMBER		269510	
CLASS		05-05	
1)SIDDHI VINAYAK KNOTS & I UNDER THE PROVISION OF COM REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC, P	MPANIES ACT, 1956 H	HAVING ITS	
DATE OF REGISTRATION	1	1/02/2015	
TITLE		TILE FABRIC	+ William
PRIORITY NA			
DESIGN NUMBER		269666	
CLASS		13-03	$\wedge$
1)HARTING ELECTRIC GMBH AND EXISTING UNDER THE GEI WILHELM-HARTING-STRABE	RMAN LAW, OF		
DATE OF REGISTRATION	18	8/02/2015	
TITLE	PLUG CONNECTOR HOUSING		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002557777-0003	15/10/2014	OHIM	000
DESIGN NUMBER		270507	
CLASS		09-05	
1)FIXWELL INDUSTRIES, 167, A BAGH WEST, NEAR MADIPUR M (AN INDIAN PROPRIETORSHIP AN INDIAN NATIONAL OF THE A	I <mark>ETRO STATION, NE</mark> V FIRM WHOSE PROPR	W DELHI-110026, INDIA.	
DATE OF REGISTRATION	23/03/2015		
TITLE	PACKAGING TUBE		
PRIORITY NA			ORIGINAL ORI

DESIGN NUMBER	271749	
CLASS	11-99	

#### 1)JAGDISHBHAI KARAMSHIBHAI GHIYAD (ADULT AND INDIAN NATIONAL) HAVING PLACE OF BUSINESS AT-

BHAWANI ROADWAYS WALI SHERI, SHAKTI SOCIETY, SHERI NO. 1, NR. GREENLAND CROSS ROAD, RAJKOT-GUJARAT (INDIA)

DDIODITY NA		
TITLE	JEWELLERY BOX	
DATE OF REGISTRATION	28/04/2015	



#### PRIORITY NA

DESIGN NUMBER	256585	
CLASS	15-05	

#### 1)OAK LAWN MARKETING, INC.,

HAVING ITS REGISTERED OFFICE AT NHK NAGOYA BROACASTING CENTER BUILDING 14F 1-13-3 HIGASHI SAKURA, HIGASHI-KU, NAGOYA AICHI, 461-0005, JAPAN BY NATIONALITY JAPANESE

DATE OF REGISTRATION	18/09/2013	
TITLE	BASE OF THE VACUUM CLEANER	
DDIODITY		



PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
2013-7285	29/03/2013	JAPAN