

CONTINUED FROM PART-1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1442/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A DEVICE AND METHOD FOR OPERATING AN ENGINE

(51) International classification	:F02D41/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BOSCH LIMITED
(32) Priority Date	:NA	Address of Applicant :POST BOX NO 3000, HOSUR ROAD,
(33) Name of priority country	:NA	ADUGODI, BANGALORE - 560 030 Karnataka India
(86) International Application No	:NA	2)ROBERT BOSCH GMBH
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BALACHANDRA D
(61) Patent of Addition to Application Number	:NA	2)HARESH R
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The apparatus (10) and method for operating an engine in accordance with this invention comprises a controller (30) which increases the engine speed upon detecting predetermined error conditions, when the vehicle is in low-idle condition. The controller (30) increases the engine speed for raising the pressure inside a common-rail (16) beyond a threshold by a high-pressure pump (12). When the pressure inside the common-rail (16) reaches beyond a maximum threshold, a pressure-limiting valve (24) in the common-rail (16) is opened to return the excess fuel to a fuel tank (12). The engine speed is reduced after the pressure-limiting valve (24) is opened. The pressure-limiting valve (24) is closed when the pressure inside the common-rail (16) reaches a minimum level which is required to switch the engine to limp-home mode.

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

(54) Title of the invention : FRAME LONGITUDINAL BEAM STRUCTURE FOR CHASSIS FRAMES OF UTILITY VEHICLES, IN PARTICULAR OF TRUCKS AND/OR BUSES

(51) International classification	:B62D21/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)MAN TRUCK & BUS AG
(32) Priority Date	104 483.7	Address of Applicant :DACHAUER STR. 677, 80995
(33) Name of priority country	:17/06/2011	MUNCHEN Germany
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)BURGER, NORBERT
(87) International Publication No	:NA	2)UBELACKER, ANDREAS
(61) Patent of Addition to Application Number	:NA	3)BOOG, HARALD
Filing Date	:NA	4)BUTSCHER, JOCHEN
(62) Divisional to Application Number	:NA	5)STECHE, FERDINAND
Filing Date	:NA	

(57) Abstract :

Frame longitudinal beam structure for chassis frames of utility vehicles, in particular of trucks and/or buses The invention relates to a frame longitudinal beam structure for chassis frames of utility vehicles, in particular of trucks and/or buses, having at least one frame longitudinal beam (2) of modular construction which extends in the vehicle longitudinal direction when in the mounted state, wherein the frame longitudinal beam (2) has a base profile (3) which extends substantially over the entire length of the frame longitudinal beam (2) and which has a plate-shaped central web (3a) which, as viewed in cross section, extends between opposite frame longitudinal beam regions, in particular between an upper flange region and a lower flange region of the frame longitudinal beam (2), which central web (3a) runs substantially rectilinearly as viewed in the direction of the longitudinal extent of the base profile, and to which central web (3a) supplemental profiles (4, 5) formed by separate components are attached in areal abutting connection. It is proposed according to the invention that a plurality of supplemental profiles (4, 5) are attached to the central web (3a), which runs substantially rectilinearly and substantially over the entire length of the frame longitudinal beam (2), of the base profile (3) such that, in the direction of extent of the longitudinal beam, at least two frame longitudinal beam regions (6, 7, 8) of different frame longitudinal beam profile cross section are formed. Also proposed is a method for producing a frame longitudinal beam.

No. of Pages : 40 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2326/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : IMAGE FORMING APPARATUS THAT SHIFTS TO STATE WHERE QUICK ACTIVATION IS POSSIBLE, METHOD OF CONTROLLING THE SAME, AND STORAGE MEDIUM

(51) International classification	:G03G
(31) Priority Document No	:2011-134302
(32) Priority Date	:16/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CANON KABUSHIKI KAISHA
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OHTA-KU, TOKYO Japan
(72)**Name of Inventor :**
1)OKUZONO, RYOTARO
2)HARA, KENJI

(57) Abstract :

An image forming apparatus capable of shifting to a state where quick activation thereof can be performed in a shorter time period when a power switch is turned off. When the off operation of the power switch is detected, a first state is stored, and when the on operation of the power switch is detected next, the state of the image forming apparatus is shifted to a second state from which the image forming apparatus can return to the first state. When the state of the image forming apparatus is shifted to the second state, time starts to be measured. When the on operation of the power switch is detected in the second state, the value of the measured time is acquired. The image forming apparatus is caused to return to the stored first state depending on the value of the measured time.

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

(54) Title of the invention : SURIYA TWO-WAY ENERGY GENERATOR

(51) International classification	:F03G 7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)S.SURIYAPRAKASH
(32) Priority Date	:NA	Address of Applicant :346/318 SINGARAJA KOTTAI, BIG
(33) Name of priority country	:NA	ST., RAJAPALAYAM, VIRUDHUNAGAR DT, TAMIL NADU,
(86) International Application No	:NA	PIN CODE - 626 117 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)S.SURIYAPRAKASH
(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 about how to produce electrical power in a small measure using new equipment while performing physical exercise. Now-a-days frequent power cut poses immense problems. Due to acute shortage of electrical energy our day-to-day life becomes a laughing stalk. So we have to explore all possibilities to supplement electrical energy by alternate methods. So far we were under the impression that physical exercise helps us just to maintain our physical structure, stamina and personal hygiene. But now it is shown that, by connecting a machine with our physical exercise, we can produce electric power. The equipment consists of components like spring loaded, free wheel mechanism, gear mechanism and dynamo. This equipment is connected to our gym instrument while doing physical exercise. The electric power produced by this equipment is saved in the battery through converter and controller, and can be used later whenever needed. The drawing (Fig.No:1, Page No: 6) is self-explanatory. The spring loaded rope is connected to the physical exercise device. When the physical exercise is performed, the spring loading activates the free wheel mechanism attached to it and induces the dynamo to produce electricity. Since gear mechanism is involved, when the bigger wheel rotates once, the smaller wheel of the dynamo rotates 38 times and, consequently, more electricity is generated. This energy generated depends upon the skill of the performer doing the physical exercise. The manual effort, which would otherwise go a mere waste, is utilised for producing useful electric power. This stored electricity can be utilized wherever and whenever needed according to the requirements.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2328/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : IMPROVED RAILWAY FREIGHT CAR TRUCK

(51) International classification	:B61F5/00	(71)Name of Applicant :
(31) Priority Document No	:13/134,647	1)AMSTED RAIL COMPANY, INC.
(32) Priority Date	:14/06/2011	Address of Applicant :311 S. WACKER, SUITE 5300,
(33) Name of priority country	:U.S.A.	CHICAGO ILLINOIS 60606 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)WIKE, PAUL, STEVEN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved railway car truck is provided that includes two sideframes and a bolster. The bolster has laterally opposite ends, each end extending into and supported within a sideframe opening on a spring group. Each sideframe also has a pedestal opening at each end to receive a bearing adapter assembly. The railway car truck also includes a transom extending into and supported within a sideframe opening. The spring group is supported at each transom end. A lateral damping cylinder is connected between the bolster and the transom. A vertical damping cylinder is connected between the bolster and the sideframe.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2329/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : TOWING DEVICE FOR A COMMERCIAL VEHICLE HAVING A LIGHTWEIGHT SUPPORTING STRUCTURE

(51) International classification

:B60P

(31) Priority Document No

:10 2011

104 431.4

(32) Priority Date

:16/06/2011

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)MAN TRUCK & BUS AG

Address of Applicant :DACHAUER STR. 667, 80995

MUNCHEN Germany

(72)Name of Inventor :

1)BECK, KLAUS

2)BELL, JOSEF

(57) Abstract :

The invention relates to a device (1) for towing on a vehicle (2), having: a chassis supporting structure (3) with a front side (4), a rear side (5) and a centre line (6) which extends from the front side (4) to the rear side (5); and at least one flexible towing means (7), having a plurality of connecting points (8, 9, 10, 11, 12) towards the chassis supporting structure (3), it being possible for a towing force (13) which is introduced into the flexible towing means (7) to be introduced into the chassis supporting structure (3) in a manner which is distributed over a plurality of the connecting points (8, 9, 10, 11, 12). It is possible in this way to provide commercial vehicles with a lightweight construction which can likewise be towed without damage.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2484/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : INTEGRAL FOAM FORMED PRODUCT WITH SKIN AND MANUFACTURING METHOD THEREOF

(51) International classification	:B29C
(31) Priority Document No	:2011-141241
(32) Priority Date	:24/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :2192-30, MITAKE, MITAKE-CHO,
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(72)**Name of Inventor :**
1)TAKEMASA OKUMURA
2)ATSUSHI KARIYA

(57) Abstract :

To provide an integral foam formed product with skin which, by forming a three-dimensional uneven shape on a surface thereof, is capable of improving a design property and providing a favorable feeling when touched by a person by partially changing feeling. An integral foam formed product with skin includes a foam base, which is formed by foam forming a stock liquid of foaming resin, and a skin layer having a laminated structure of a skin, a flexible slab foam layer and a film. Impregnation hole portions are provided in the skin layer by hole processing or cutting reaching an interior of the slab foam layer through the film, and solidified portions are formed by the stock liquid of foaming resin impregnated in the slab foam layer through the impregnation hole portions. The skin is fixed to the solidified portions, and other part of the slab foam layer is made to protrude to the surface side with the skin, so that an uneven shape is formed on the surface of the foam formed product.

No. of Pages : 46 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1412/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : HYDRAULIC ARRANGEMENT FOR CONTINUOUS SUPPLY OF ENERGY UTILIZING ATMOSPHERIC PRESSURE AND METHOD THEREOF

(51) International classification	:F15B1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GANDIKOTA MADHAVA RAO
(32) Priority Date	:NA	Address of Applicant :FLAT NO. 206, GRAND KAKATIYA
(33) Name of priority country	:NA	APARTMENTS, RAMNAGAR, ANANTAPUR - 515 004
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GANDIKOTA MADHAVA RAO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hydraulic arrangement for continuous supply of energy utilizing atmospheric pressure for lifting hydraulic fluids using a source of hydraulic fluid, comprising of at least four tanks for holding hydraulic fluid therein, said tanks further having piping means, valve means for introducing and discharging hydraulic means into said tanks; said piping means extending into the said tanks from one end thereof to a point proximate the opposing inner surface of the other end thereof such that fluid enters and exits said container proximate said other end; a fluid transfer means for initiating first action by introducing fluid from said hydraulic fluid source into said at least one tank means preferably the tank disposed on the minimum elevation, said fluid transfer means further connecting said container means for fluid flow therein; and at least one generator unit mounted on the base and disposed below/operably connected with the tank at maximum elevation

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2282/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : PAINTING SYSTEM

(51) International classification	:B05B15/00	(71)Name of Applicant :
(31) Priority Document No	:2011-140295	1)KABUSHIKI KAISHA YASKAWA DENKI
(32) Priority Date	:24/06/2011	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(33) Name of priority country	:Japan	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(86) International Application No	:NA	0004 Japan
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)TAKAHASHI SHINGI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A painting system according to the embodiments includes a painting booth surrounded by a ceiling and a sidewall, a conveyor line that is arranged in the painting booth and conveys an object to be painted, and a painting robot that performs painting on the object. The painting robot includes a base portion fixed on the sidewall side in the painting booth, and an arm portion that is connected to the base portion and has a seven-axis configuration.

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

(54) Title of the invention : ELECTRODE AND METHOD FOR SUPPLYING CURRENT TO A REACTOR

(51) International classification	:G21C	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)WACKER CHEMIE AG
(32) Priority Date	077 967.1	Address of Applicant :HANNS-SEIDEL-PLATZ 4, D-81737
(33) Name of priority country	:22/06/2011	MUNCHEN Germany
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)ELLINGER, NORBERT
(87) International Publication No	:NA	2)RING, ROBERT
(61) Patent of Addition to Application Number	:NA	3)WIESBAUER, JOSEF
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method for supplying current to a reactor, wherein one or more electrodes, which are fed through a wall of the reactor, of an electrical energy network which is DC-isolated from ground potential are respectively connected to an electrically conductive element so that an operating voltage is respectively applied to the at least one electrically conductive element and electrical current flows through it, wherein there is respectively a seal made of an electrically insulating material between the wall of the reactor and the electrode, wherein the electrical energy network is monitored for insulation faults and a fall below a particular insulation resistance triggers shutdown of the electrical energy supply, and wherein the switching threshold is determined by taking into account at least one parameter from the group consisting of seal geometry, seal material, supply voltage and the maximum possible electrical energy input into the seal immediately before shutdown, triggered by the maximum theoretically possible leakage current through the seal. Device for the simultaneous monitoring, sealing and electrical insulation of an electrode, characterized in that the seal contains an electrically conductive core which comprises an electrical connection facility. Electrode having an insulating seal for use in current supplies of chemical reactors, wherein the seal consists of a polymer and is shrunk onto the electrode.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2506/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRIC PROTECTION APPARATUS COMPRISING AT LEAST ONE BREAKING MODULE CONTROLLED BY A CONTROL DEVICE WITH ELECTROMAGNETIC COIL

(51) International classification	:H01H	(71)Name of Applicant :
(31) Priority Document No	:11 01975	1)SCHNEIDER ELECTRIC INDUSTRIES SAS
(32) Priority Date	:27/06/2011	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country	:France	RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAMIREZ, JEAN-CLAUDE
(87) International Publication No	: NA	2)HAGE, BENOIT
(61) Patent of Addition to Application Number	:NA	3)AMBLARD, JEAN-YVES
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an electric protection apparatus comprising at least one switching module fitted on a mounting support, and a control device with an electromagnetic coil juxtaposed with one of the above-mentioned modules, this device being characterized in that it comprises a magnetic shield (22) arranged in a plane substantially perpendicular to the plane of the mounting support, said shield (22) being located between the control device (1) and the switching module (2,3) situated closer to said device, facing the coil of the control device (1), and comprising at least one ferromagnetic part (22) shaped in such a way that said shield performs magnetic guiding of the arc as soon as separation of the contacts takes place so as to increase the propulsion component T of the Laplacian force acting on the arc as soon as separation of the contacts takes place.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1371/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

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

(51) International classification	:A61K 47/00	(71)Name of Applicant : 1)ORCHID CHEMICALS & PHARMACEUTICALS LTD Address of Applicant :ORCHID TOWERS, 313, VALLUVAR KOTTAM HIGH ROAD, NUNGAMBAKKAM, CHENNAI - 600 034 Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)UDAYAMPALAYAM PALALANISAMY
(33) Name of priority country	:NA	SENTHILKUMAR
(86) International Application No	:NA	2)KANAGARAJ SURESHKUMAR
Filing Date	:NA	3)KOMMOJU NAGESH BABU
(87) International Publication No	: NA	4)HENRY SYRIL SUDHAN
(61) Patent of Addition to Application Number	:NA	5)PONRAJ PRAVIN KAMARAJ
Filing Date	:NA	6)THANGAIYAN SURESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an improved process for the preparation Ertapenem monosodium of formula (I) having purity greater than 98.5% and having pharmaceutically acceptable level of palladium and residual solvent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1373/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A MUFFLER FOR AUTOMOTIVE VEHICLES

(51) International classification	:F01N 13/00	(71)Name of Applicant : 1)ASHOK LEYLAND LIMITED
(31) Priority Document No	:NA	Address of Applicant :NO. 1, SARDAR PATEL ROAD,
(32) Priority Date	:NA	GUINDY, CHENNAI 600 032 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)ASHWIN KUMAR M
Filing Date	:NA	2)SASIKUMAR K
(87) International Publication No	: NA	3)KALYANKUMAR S HATTI
(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 muffler (Y) for automotive vehicles connected at rear end of the inlet pipe assembly (W) extending from an internal combustion engine of automotive vehicles and an outlet pipe assembly (Z) connected at rear end of the muffler (Y) so that the treated exhaust gases from the muffler (Y) flows to the atmosphere. The muffler (Y) having an inlet flared tube (1) for connecting the inlet pipe assembly (W) and the muffler (Y); an inlet cone (10) connected at the front end of the muffler (Y); a DOC/POC assembly (2) welded at the rear end of the inlet cone (10); a jacket (3) for encasing all the components of the muffler (Y); a first end cover (4) for supporting the inlet flared tube (1) and the inlet cone (10); perforated baffles (5) for supporting the DOC/POC assembly (2); an exponential connector (6) for compressing the gases coming out of the DOC/POC assembly (2); a perforated baffle (7) for supporting a perforated outlet pipe (8) which is packed with glasswool (11); a second end cover (9) for supporting the perforated outlet pipe (8). The muffler Y assists in reducing noise and emissions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1420/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR INTERPERSONAL AND INFORMATIVE RESPONSE USING ARTIFICIAL INTELLIGENCE

(51) International classification	:G06F17/00	(71)Name of Applicant : 1)KOMANDUR KOWSHIK
(31) Priority Document No	:NA	Address of Applicant :NO 55, S1, 8TH CROSS, 2ND MAIN, PRASHANTH NAGAR, BANGALORE 560 079 Karnataka India
(32) Priority Date	:NA	2)THYAGARAJAN GANESH
(33) Name of priority country	:NA	(72)Name of Inventor : 1)KOMANDUR KOWSHIK
(86) International Application No	:NA	2)THYAGARAJAN GANESH
Filing Date	:NA	
(87) International Publication 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 system and method for interpersonal and informative response using artificial intelligence that allows a user to creating and interact with virtual personality to suit their emotional needs or to simply find results to suit their concierge needs. The system uses the emotional quotient equalizer and analyzer that formulates and creates dynamic responses based on the emotional aspect in the text entered by the user. The dynamic responses are assimilated in real time and served to the user instead of retrieving hard coded responses from the database. The system provokes an emotional response from the users which respond to queries in a startlingly realistic manner. The system is designed to interact with the user in the same way a human would interact, listening empathetically, providing encouraging feedback, giving suggestions and relevant information relating to the world etc.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2488/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : PARALLEL HYBRID ELECTRIC VEHICLE POWER MANAGEMENT SYSTEM AND ADAPTIVE POWER MANAGEMENT METHOD AND PROGRAM THEREOF

(51) International classification	:B60K,B60L
(31) Priority Document No	:13/205,191
(32) Priority Date	:08/08/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)FILIPPO MUGGIO

3)DEREK MATTHEWS

4)BRENDAN PANCHERI

5)ERIN T. HISSONG

(57) Abstract :

A system/computer readable storage device and method for controlling torque in a hybrid electric vehicle. The method comprises determining a state of charge of an energy storage device, obtaining a reference state of charge, obtaining an error from a difference between the determined state of charge and the reference state of charge; and apportioning torque between a motor and an engine based upon the error. The motor is electrically coupled to the energy storage device and powered by the energy storage device. A state of charge (SOC) correction factor is determined based upon the error. The SOC correction factor is used to adjust a torque ratio of motor to engine torque that is determined for a given torque command.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2309/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :11/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : RESIN COMPOSITION AND INVERTER COMPONENT MADE OF THE SAME

(51) International classification	:C08L
(31) Priority Document No	:2011-134834
(32) Priority Date	:17/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ATARASHI, KENJI

(57) Abstract :

The present aims to provide a resin composition having good molding processability and being capable of affording molded articles that exhibit high heat conductivity and high rigidity, and an inverter component made of this resin composition. The invention relates to a resin composition including 45% by mass to 60% by mass of a thermoplastic resin (A) , 20% by mass to 40% by mass of carbon fibers (B) , and 10% by mass to 35% by mass of graphite particles (C) having an average particle diameter of larger than 12 urn and up to 50 um, wherein the total content of the carbon fibers (B) and graphite particles (C) is 40% by mass to 55% by mass, the melt flow rate of the resin composition measured at 230°C under a load of 2.16 kg in accordance with JIS K7210 is 3 g/10 minutes to 30 g/10 minutes.

No. of Pages : 26 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2392/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : LEAD COMPONENT HOLDER AND ELECTRONIC DEVICE

(51) International classification	:H01L
(31) Priority Document No	:2011-163329
(32) Priority Date	:26/07/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)KABUSHIKI KAISHA YASKAWA DENKI
Address of Applicant :2-1, KUROSAKI-SHIROISHI,
YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA
8060004 Japan
(72)**Name of Inventor :**
1)KENTA SASAHARA
2)JUNYA MIZUMOTO
3)MASAFUMI SAKAI

(57) Abstract :

Provided is a lead component holder and an electronic device capable of improving vibration resistance performance. A lead component holder includes a plurality of supporting portions each supporting a lead component at a position distant from a component mounting surface of a substrate, and at least one coupling member coupling the adjacent supporting portions at a position distant from the component mounting surface. An electronic device includes the substrate, the lead component holder, and an electronic component mounted to the substrate located below the coupling member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2554/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : INVERTER CONTROL DEVICE, ELECTRIC COMPRESSOR USING INVERTER CONTROL DEVICE, AND ELECTRIC EQUIPMENT

(51) International classification	:H02P6/00	(71)Name of Applicant :
(31) Priority Document No	:2011-144009	1)PANASONIC CORPORATION
(32) Priority Date	:29/06/2011	Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)KATSUMI ENDOU
Filing Date	:NA	2)MITSUHIRO FUKUDA
(87) International Publication No	: NA	3)ATSUSHI KODA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inverter control device controls the operation of a brushless DC motor sensorlessly. A driving controller of the inverter control device switches commutation of switching elements from control based on a position detection commutation signal to control based on a forced synchronization commutation signal if an output voltage of an inverter circuit section is equal to or greater than a preset threshold and a value of a rotational speed detected by the rotational speed detector is equal to or less than a reference value less than a target value of the rotational speed. The output voltage controller of the inverter control device changes the output voltage control signal based on a phase difference detected by a phase difference detector when the driving controller is controlling commutation of switching elements based on the forced synchronization commutation signal.

No. of Pages : 63 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2563/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR HEATING VENTILATION AND AIR CONDITIONING COMPONENT DETECTION

(51) International classification	:F24F	(71)Name of Applicant :
(31) Priority Document No	:61/513,371	1)TRANE INTERNATIONAL INC.
(32) Priority Date	:29/07/2011	Address of Applicant :ONE CENTENNIAL AVENUE
(33) Name of priority country	:U.S.A.	PISCATAWAY, NEW JERSEY 08855 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)STORM, TIMOTHY WAYNE
(87) International Publication No	: NA	2)MITCHELL, DANIEL J.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for detecting heating, ventilation, and air conditioning (HVAC) components is provided. The method includes the steps of measuring an initial current at a current sensor in a circuit, while a relay is de-energized; energizing the relay; measuring, at a periodic interval, an energized current while the relay is energized; incrementing a counter if an absolute difference between a first voltage related to the energized current and a second voltage related to the initial current is above a threshold; and determining a HVAC component is present if the counter exceeds a pre-determined value during a pre-determined time period.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1394/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE

(51) International classification

:F02B53/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)RAJISH K R

Address of Applicant :KUNNATHUMATTATHIL,
MEMADANGU P O, MUVATTUPUZZHA. Kerala India

(72)Name of Inventor :

1)RAJISH K R

(57) Abstract :

The present invention relates to a two stroke elliptical rotary internal combustion engine. The engine disclosed is a diesel engine. There is a frame provided with ellipse shape with teeth cuts in its interior. Also provided three triangular spur gears which run on these teeth. The main shaft is connected to the centre of the elliptical frame using the connecting rod. Due to the rotation of the connecting rod, the gears undergo an elliptical rotation. There is provided a circular plate at the top of the shaft. The rotor is placed inside the elliptical casing. The engine functions in a four cycle process of Suction, Compression, Power Stroke and Exhaust Stroke. The starter motor to start the engine is connected to the fly wheel. The rotation of the fly wheel makes the rotor rotate. Fuel is injected at high compression to obtain power stroke and the exhaust gas is given out through the exhaust port. The power developed is transmitted through the main shaft and rotates the fly wheel inside the casing. The power transmission is facilitated through the gears and clutch attached to the fly wheel. A diesel pump is provided to supply the diesel to the engine. The disclosed engine can also be modified to work with other fuels also. The engine has higher efficiency compared to the reciprocating engine. There is no valve mechanism involved in the engine and there is no vibration in the engine unlike in reciprocating engines.

No. of Pages : 28 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1395/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : V-SHAPE CUTTER

(51) International classification

:B26F

(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)RAJISH K R

Address of Applicant :KUNNATHUMATTATHIL,
MEMADANGU P O, MUVATTUPUZHA. Kerala India

(72)Name of Inventor :

1)RAJISH K R

(57) Abstract :

The present invention provides a V shape cutting apparatus adapted to cut the channels and tracks in the walls, floors, ceilings, concrete surfaces, etc. The apparatus have two powerful disc blades fitted at the opposite sides of the apparatus diagonally. The disc blades are powered by a power source i.e. electric A/C motor. There is also provided a transmission means to transfer the power of the motor to the disc blades. The transmission means which transfer the power of the motor to the blades include worm gears and spur gears. The rotation of the gears makes the shaft of the blades as well as the blades rotate. There is provided an air cooling system for minimizing the heat produced during the cutting operation. Also provided one or more streams of liquid which will minimize the dust occurred while cutting. There is also provided spindle lock which will lock the apparatus in emergency conditions and can prevent the unauthorized use of the apparatus. The apparatus will not leave any materials remain to be further removed from the channels or tracks after cutting. The angular mounting of the blades also facilitates V- shape cutting of channels in any required radius and dimension. The apparatus is also capable of cutting the channels in curved shape also. The cutting apparatus is lightweight, handy and can be used a hand held device. The cutting apparatus can be carried to any place and can handle it with ease.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2415/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SELECTIVE DEPOSITION OF A CATALYST LAYER FOR PEM FUEL CELLS UTILIZING INKJET PRINTING

(51) International classification	:H01M
(31) Priority Document No	:61/498,993
(32) Priority Date	:20/06/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)XEROX CORPORATION
Address of Applicant :45 GLOVER AVENUE, P.O., BOX
4505, NORWALK CONNECTICUT 06856-4505 U.S.A.
(72)**Name of Inventor :**
1)ROOF, BRYAN, J.

(57) Abstract :

In one embodiment, a method for forming electrodes on a substrate has been developed. The method includes operating a first plurality of printheads to eject a first ink onto a first portion of the substrate and operating a second plurality of printheads to eject a second ink onto a second portion of the substrate. The first ink includes a proton transport material and an electron transport material, and the second ink includes the proton transport material, the electron transport material, and a catalyst.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2499/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SPINNING WINDER

(51) International classification

:D01H

(31) Priority Document No

:2011-
160825

(32) Priority Date

:22/07/2011

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)TMT MACHINERY, INC.

Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-

6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041

Japan

(72)Name of Inventor :

1)HASHIMOTO, KINZO

2)KISHINE, AKINORI

3)TORII, YUYA

(57) Abstract :

Damage on yarns is restrained while allowing the bending angles of the yarns at distribution guides by which the yarns spun out from a spinning unit are distributed to be large. Yarns 10 serially spun out and supplied from a spinning machine are conveyed to a winding unit below by two godet rollers, and in a winding unit the yarns 10 are distributed by fulcrum guides 13 and then wound onto bobbins attached to a bobbin holder. Each fulcrum guide 13 is a column having a radius of not shorter than 3mm and not longer than 8mm, and the yarn 10 is threaded on the outer circumference of the fulcrum guide 13. By rotating the fulcrum guide 13, the sliding position between the fulcrum guide 13 and the yarn 10 is changed. Furthermore, the movement of the yarn 10 threaded on the fulcrum guide 13 is restrained in the axial directions of the fulcrum guide 13, because the yarn 10 is arranged to pass through a slit 25a made through a restraining guide 25 which is provided above the fulcrum guide 13.

No. of Pages : 37 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1362/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A VASCULAR GRAFT SEALE D WITH BIODEGRADABLE HYDROGEL AND PASSIVATED WITH A FLUROPOLYMER COATING

(51) International classification	:A61L 26/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)M/S SREE CHITRA TIRUNAL INSTITUTE
(32) Priority Date	:NA	Address of Applicant :FOR MEDICAL SCIENCES AND
(33) Name of priority country	:NA	TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING,
(86) International Application No	:NA	POOJAPPURA, THIRUVANANTHAPURAM - 695 012 Kerala
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ROY JOSEPH
Filing Date	:NA	2)CHIRATHODI VAYALAPPIL MURALEEDHARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a vascular graft of low thrombogenicity and low water permeability comprising a fabric graft tube coated with a fluoropolymer and a biodegradable gelable material made from oxidized alginate and gelatin.

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

(54) Title of the invention : HIGH STRENGTH STEEL SHEET EXCELLENT IN WORKABILITY AND COLD BRITTLENESS RESISTANCE AND MANUFACTURING METHOD THEREOF

(51) International classification	:C22C38/00	(71)Name of Applicant :
(31) Priority Document No	:2011-130835	1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)
(32) Priority Date	:13/06/2011	Address of Applicant :10-26, WAKINOHAMA-CHO, 2-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MIZUTA, SAE
Filing Date	:NA	2)FUTAMURA, YUICHI
(87) International Publication No	: NA	3)UTSUMI, YUKIHIRO
(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 steel sheet having a tensile strength of 1180 MPa or more and excels in workability and cold brittleness resistance. The high-strength steel sheet contains 0.10% to 0.30% of C, 1.40% to 3.0% of Si, 0.5% to 3.0% of Mn, 0.1% or less of P, 0.05% or less of S, 0.005% to 0.20% of Al, 0.01% or less of N, and 0.01% or less of O, with the remainder including Fe and inevitable impurities. The steel sheet has a ferrite volume fraction of 5% to 35% and a bainitic ferrite and/or tempered martensite fraction of 60% more based on the total volume of structures determined by observation of the structures at a position of a depth one-quarter the thickness of the steel sheet under a scanning electron microscope, has a MA constituent volume fraction of 6% or less (excluding 0%) based on the total volume of structures determined by observation of the structures under an optical microscope, and has retained austenite volume fraction of 5% or more based on the total volume of structures determined by X-ray diffractometry of the retained austenite.

No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2502/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A DEVICE AND A METHOD FOR MANAGING UNBURNED RESIDUES IN REGENERATIVE BURNERS, A BURNER INCLUDING SUCH A DEVICE

(51) International classification	:F23G	(71)Name of Applicant :
(31) Priority Document No	:11 55701	1)COCKERILL MAINTENANCE & INGENIERIE SA
(32) Priority Date	:27/06/2011	Address of Applicant :AVENUE GREINER, 1, 4100,
(33) Name of priority country	:France	SERAING Belgium
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BRAUD, YVES
(87) International Publication No	: NA	2)FERRAND, LUDOVIC
(61) Patent of Addition to Application Number	:NA	3)MALPAS, LUC
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for managing unburned residues, the device comprising a regenerator (5) having one end connected to a combustion enclosure (3) and an opposite end connected to a fuel admission pipe (4) and a flue gas exhaust pipe (8), the pipes being fitted with valves (2; 10) to alternate between an admission stage and an exhaust stage through the regenerator. A purge circuit (1) connected to the regenerator (5) acts before the exhaust stage to purge the regenerator of the fuel that it contains. The invention provides a corresponding method of managing unburned residues and a burner including such a device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2505/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A METHOD OF CONTROLLING THE STEERING OF A STEERABLE PORTION OF AN AIRCRAFT UNDERCARRIAGE

(51) International classification	:B64C25/00	(71)Name of Applicant :
(31) Priority Document No	:1155705	1)MESSIER-BUGATTI-DOWTY
(32) Priority Date	:27/06/2011	Address of Applicant :INOVEL PARC SUD, 78140 VELIZY
(33) Name of priority country	:France	VILLACOUBLAY France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BENMOUSSA, MICHAEL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method of controlling the steering of a steerable portion (2, 3, 4, 5) of an aircraft undercarriage that is fitted both with a steering member (6) for steering the steerable portion and also with at least two angular position sensors (8, 8) for sensing the angular position of the steerable portion in order to deliver respective signals representative of the angular position (1/ 2) of the steerable portion, wherein the steering member is controlled by means of servo-control using information that is representative of the angular position of the steerable portion. According to the invention, the information representative of the angular position that is used is a mean (mean) of the angular positions sensed by the at least two angular position sensors.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2583/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : VEHICLE NAVIGATION DEVICE AND METHOD

(51) International classification	:G01C	(71)Name of Applicant :
(31) Priority Document No	:EP 11 172	1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
(32) Priority Date	364.9	Address of Applicant :BECKER-GORING-STRABE 16
(33) Name of priority country	:01/07/2011	76307 KARLSBAD Germany
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)KUNATH PETER
(87) International Publication No	: NA	2)FISCHER MARTIN
(61) Patent of Addition to Application Number	:NA	3)SPINDLER CC
Filing Date	:NA	4)IVANOV VLADIMIR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a database usable for a navigation device, object data units (20) comprising information for a three-dimensional displaying of objects like buildings are provided. At least one of the object data units (20) comprises an adjustable height parameter (21) for adjusting a height of the corresponding object when displayed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2584/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : RHENIUM FREE SINGLE CRYSTAL SUPERALLOY FOR TURBINE BLADES AND VANE APPLICATIONS

(51) International classification	:C22C19/00	(71)Name of Applicant :
(31) Priority Document No	:13/298,879	1)CANNON-MUSKEGON CORPORATION
(32) Priority Date	:17/11/2011	Address of Applicant :2875 LINCOLN STREET,
(33) Name of priority country	:U.S.A.	MUSKEGON, MICHIGAN 49441 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KENNETH HARRIS
(87) International Publication No	: NA	2)JACQUELINE B. WAHL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rhenium-free nickel-base superalloy for single crystal casting that exhibits excellent high temperature creep resistance, while also exhibiting other desirable properties for such alloys, comprises 5.60% to 5.85% aluminum, 9.4% to 9.9% cobalt, 5.0% to 6.0% chromium, 0.08% to 0.35% hafnium, 0.50% to 0.70% molybdenum, 8.0% to 9.0% tantalum, 0.60% to 0.90% titanium, 8.5% to 9.8% tungsten, the balance comprising nickel and minor amounts of incidental elements.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1366/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : BELT DRIVE COMMUTATOR

(51) International classification	:H01R 43/00	(71) Name of Applicant : 1)THOMAS HARRISON
(31) Priority Document No	:NA	Address of Applicant :VALIYAVILAYIL, PROF. K.V.
(32) Priority Date	:NA	THOMAS ROAD, THOPPUMPADY, COCHIN-5 Kerala India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)THOMAS HARRISON
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Claim that the Belt drive commutator can replace the brush type commutator system currently in use today.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1368/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR MANAGING A CARGO TRANSACTION

(51) International classification	:G06Q10/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TRIMBLE NAVIGATION LIMITED
(32) Priority Date	:NA	Address of Applicant :935 STEWART DRIVE
(33) Name of priority country	:NA	SUNNYVALE, CA 94085 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TELANG, SANJEEV
(87) International Publication No	: NA	2)KOTA, RUPENDRA
(61) Patent of Addition to Application Number	:NA	3)POONA WALA, HUZefa
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Devices, systems, and methods for managing a cargo transaction are disclosed. By transmitting and integrating consignment data and real-time cargo status data including data collected from a GPS-enabled monitoring device to a visual cargo server, a visual cargo data is produced. The visual cargo data is contextualized by integrating with contextual data obtained from one or more contextual servers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1416/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRIC PERSONAL MOBILITY SCOOTER

(51) International classification	:B62D21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ANJANKUMAR N
(32) Priority Date	:NA	Address of Applicant :387, 8TH MAIN, 7TH CROSS, BTM
(33) Name of priority country	:NA	2ND STAGE, MICOLAYOUT, BANGALORE - 560 076
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)D. GURUPRASAD
(61) Patent of Addition to Application Number	:NA	2)ANJANKUMAR N
Filing Date	:NA	3)ANANTH KARTHIK S
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A three wheel Electric Scooter with a new , simple , low carbon foot print design , monocoque chassis ,with unique 2 step manufacturing process, unique body balance foot position and collision prevention rider safety system, suitable for multi terrain short distance mobility needs. The chassis being a monocoque design ,houses all functional parts like Mechanical drive , Motor , Battery system and On board Electronics and support the rear wheels and the front steering wheel. The rear wheels are powered by a reduction differential drive, which not only helps in easy turning but also provides multiple times the input torque to the wheels to enable to higher load carrying capacity. The front steering wheel is of relatively smaller size compared to rear drive wheels, to enable easy steering without compromising on the traction and stability. The invention involves certain unique safety mechanism like body balancing foot position sensing system and collision prevention mechanism to make the vehicle safe, easy and fun to ride.

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

(54) Title of the invention : LOW NOISE SINGLE SPEED REDUCTION DIFFERENTIAL DRIVE

(51) International classification	:B60K17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)D GURUPRASAD
(32) Priority Date	:NA	Address of Applicant :373, 5TH MAIN, 7TH CROSS,
(33) Name of priority country	:NA	COFFEE BOARD LAYOUT, HEBBAL-KEMPAPURA, H.A.
(86) International Application No	:NA	FARMPOST, BANGALORE - 560 024 Karnataka India
Filing Date	:NA	2)ANJAN KUMAR N
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)D. GURUPRASAD
Filing Date	:NA	2)ANJANKUMAR N
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The low noise single piece reduction differential drive incorporates a torque multiplier mechanism and differential speed mechanism to transfer the power from the motor to drive the two wheels which are at a distance apart at variable speeds so as to enable the vehicle to negotiate a turn to the left or right as and when required This device may preferably be used for electric cars, personal transportation vehicle, golf carts etc. The device has a integral machined housing from a raw stock or die cast and later machined to required specifications. The housing has spur/helical/spiral/spiral bevel gear teeth cut on its outer surface so as to increase the input torque multiple times, which engages directly with the motor or any other input driver. The inner surface of the housing incorporates two bevel gears at the right and left side of the housing. Also the differential houses two bevel pinions mounted in perpendicular direction which in turn engage with the two bevel gears. The housing is supported on the two half shafts on bearings and is free to rotate. On receiving the input for the motor or any other input device the housing rotates, thus performing the dual role of speed reduction as well as a carrier to impart the output power to two shafts thru the two pinions. The number of the teeth on the pinion and the bevel gear is so maintained so as to give a smooth and noiseless turning. The output is taken from the two bevel gears which is connected two half shafts connected in turn the two wheels respectively. Also hybrid material combinations are used between all the mating gears and pinions to obtain noiseless differential drive system. Thus while utilizing a low torque input, the low noise single piece reduction differential drive converts it to high torque and as well obtains a differential speed between two wheels to aid in a smooth and noiseless turn of the vehicle.

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2465/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : RAILWAY WHEEL ULTRASONIC TESTING APPARATUS

(51) International classification	:B23P
(31) Priority Document No	:13/134,996
(32) Priority Date	:23/06/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AMSTED RAIL COMPANY, INC.
Address of Applicant :311 S. WACKER, SUITE 5300,
CHICAGO, ILLINOIS 60606 U.S.A.
(72)**Name of Inventor :**
1)OLIVER, JOHN R.
2)OLIVER, JOHN D

(57) Abstract :

A method and apparatus for collecting ultrasonic test data from a railway wheel with an ultrasonic testing apparatus is described. The railway wheel is supported by two drive rollers, each having an indentation which engages with and rotates the wheel. An indexing transducer moves across the rotating wheel, collecting ultrasonic test data while a fixed transducer correlates a reference position on the wheel to the collected test data. To maintain the accuracy of the reference position to the collected test data, it is desirable to maintain the rotational stability of the wheel, minimizing any dynamic instability caused by dimensional tolerances in the wheel. To mitigate instabilities resulting from dimensional tolerances, the indentation of the drive rollers, which engage and drive the flange of the wheel, are variably spaced using a resilient member to maintain frictional contact between the wheel and the drive roller. This allows the indentation to accommodate the varying dimensional tolerances of the wheel flange, mitigating the possibility of dynamic instability resulting from departure of the wheel flange from the indentation.

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2327/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : BIPOLAR PUNCH-THROUGH SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SUCH A SEMICONDUCTOR DEVICE

(51) International classification	:H01L	(71)Name of Applicant :
(31) Priority Document No	:11169792.6	1)ABB TECHONOLOGY AG
(32) Priority Date	:14/06/2011	Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
(33) Name of priority country	:EPO	ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MATTHIAS, SVEN
(87) International Publication 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 bipolar diode (1) is provided having a drift layer (2) of a first conductivity type on a cathode side (13) and an anode layer (3) of a second conductivity type on an anode side (14). The anode layer (3) comprises a diffused anode contact layer (5) and a double diffused anode buffer layer (4). The anode contact layer (5) is arranged up to a depth of at most 5 μM and the anode buffer layer (4) is arranged up to a depth of 18 to 25 μM . The anode buffer layer (4) has a doping concentration between $8.0 \cdot 10^{15}$ and $2.0 \cdot 10^{16} \text{ cm}^{-3}$ in a depth of 5 μM and between $1.0 \cdot 10^{14}$ up to $5.0 \cdot 10^{14} \text{ cm}^{-3}$ in a depth of 15 μM (Split C and D), resulting in good softness of the device and low leakage current. Split A and B show anode layer doping concentrations of prior art diodes, which have either over all depths lower doping concentrations resulting in high leakage current or enhanced doping concentration resulting in bad softness.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1361/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A VASCULAR GRAFT SEALED WITH BIODEGRADABLE HYDROGEL

(51) International classification	:A61L 26/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)M/S SREE CHITRA TIRUNAL INSTITUTE
(32) Priority Date	:NA	Address of Applicant :FOR MEDICAL SCIENCES AND
(33) Name of priority country	:NA	TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING,
(86) International Application No	:NA	POOJAPPURA, THIRUVANANTHAPURAM - 695 012 Kerala
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ROY JOSEPH
Filing Date	:NA	2)ADATHALA RAJEEV
(62) Divisional to Application Number	:NA	3)CHIRATHODI VAYALAPPIL MURALEEDHARAN
Filing Date	:NA	

(57) Abstract :

This invention relates to a vascular graft having extremely low water permeability comprising a fabric graft coated with a biocompatible and biodegradable hydrogel, the hydrogel being formed by reacting oxidized alginate and gelatin, and the said graft having a water permeability below 5 ml/min/cm².

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1404/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : PROP STAND POSITION DETECTION AND ALERTING DEVICE

(51) International classification	:G08B 6/00	(71) Name of Applicant : 1)TVS MOTOR COMPANY LIMITED
(31) Priority Document No	:NA	Address of Applicant :JAYALAKSHMI ESTATES, 29, (OLD
(32) Priority Date	:NA	NO.8) HADDOWS ROAD, CHENNAI - 600 006. Tamil Nadu
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)GOVARDAN DAGGUPATI
(87) International Publication No	: NA	2)BAPANNA DORA KAREDLA
(61) Patent of Addition to Application Number	:NA	3)KUPPA VENKATA KALYAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A position detection and alerting mechanism is provided to detect the undesirable position of a prop stand in a vehicle and to alert a rider of the vehicle. The position detection and alerting mechanism is mechanically connected to the prop stand and electrically connected to an audible means, or a display means, or an audible and display means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2413/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : LUBRICANT FEEDING APPARATUS

(51) International classification

:F16N21/00

(31) Priority Document No

:2012-

061480

(32) Priority Date

:19/03/2012

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SHIMADZU MECTEM, INC

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OTSU-SHI, SHIGA, 5202152 Japan

(72)Name of Inventor :

1)OKADA, MOTOHIRO

(57) Abstract :

To provide a lubricant feeding apparatus which can perform lubrication of an object for lubrication even during a continuous run. The apparatus includes a fixed ring 8 ring-shaped to surround an outer periphery of a universal joint 1 and rotatable with the universal joint 1; a rotary ring 7 ring-shaped to surround an outer periphery of the fixed ring 8, having grease nipples arranged therein for feeding a lubricant to bores in the fixed ring 8, and arranged to be slidable relative to the fixed ring 8; and feed pipes 9 connecting communicating bores formed in the fixed ring 8 and feed openings formed in a cross bearing portion 10 or a spline portion 20.

No. of Pages : 31 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2414/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SHEET TRANSPORT AND HOLD DOWN APPARATUS

(51) International classification	:G03G15/00	(71)Name of Applicant :
(31) Priority Document No	:13/164,412	1)XEROX CORPORATION
(32) Priority Date	:20/06/2011	Address of Applicant :45 GLOVER AVENUE, P.O., BOX
(33) Name of priority country	:U.S.A.	4505, NORWALK CONNECTICUT 06856-4505 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MOORE, STEVEN, R.
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A media sheet transport including a belt for supporting the media thereon. The belt is operably connected to a drive mechanism for moving the belt in a process direction past an image marking unit. The belt has a plurality of openings therein. A vacuum plenum has a surface disposed below the belt and is operably connected to a vacuum source. The vacuum plenum is adapted to applying a negative pressure to the media for holding the media to the belt. An electrostatic hold down apparatus includes a first tacking roller spaced in a cross-process direction from a second tacking roller. The first and second tacking rollers are engagable with the belt. The first tacking roller is disposed to engage the inboard edge of the media, and the second tacking roller is disposed to engage the outboard edge of the media. The first and second tacking rollers impart an electrostatic charge to the edges of the media for electrostatically securing the inboard and outboard edges of the media to the belt.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2426/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : IMAGING APPARATUS AND METHOD OF DRIVING THE SAME

(51) International classification	:H04N
(31) Priority Document No	:2011-- 139457
(32) Priority Date	:23/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CANON KABUSHIKI KAISHA
Address of Applicant :30-2, SHIMOMARUKO 3-CHOME,
OHTA-KU, TOKYO Japan
(72)**Name of Inventor :**
1)HASHIMOTO, SEIJI
2)MATSUNO, YASUSHI

(57) Abstract :

An imaging apparatus and a method of driving the same that can generate a digital data of a high resolution pixel signal are provided. The imaging apparatus includes: a pixel (10-1) for generating a signal by photoelectric conversion; a comparing circuit (30-1) for comparing a signal based on the pixel with a time-dependent reference signal; a counter circuit (40-1) performing a counting operating until an inversion of a magnitude relation between the signal based on the pixel and the time-dependent reference signal; and a selecting circuit (30-2) for setting a time-dependent change rate of the reference signal, according to a signal level of the signal based on the pixel.

No. of Pages : 47 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2427/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : ESCALATOR STEP

(51) International classification	:B66B23/00
(31) Priority Document No	:ES201131064
(32) Priority Date	:27/07/2011
(33) Name of priority country	:Spain
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)THYSSENKRUPP ELEVATOR INNOVATION
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ASTURIAS Spain

(72)Name of Inventor :

1)ALEMANY, MIGUEL ANGEL GONZALEZ

2)ARENAS, JOSE OJEDA

3)FERNANDEZ, DANIEL HERNANDEZ

(57) Abstract :

The present invention relates to an escalator step having: a first surface (1) in a steppable area having a material with a coefficient of friction between 0.3 and 0.8 for increasing passenger stability; a bearing structure (2) of the first surface (1) for: supporting the first surface (1); housing first connection devices (3) to drive systems (30). The step makes it easier to disassemble the components, reduce operating noise, improve the strength of the step and provide a skirting board that is more rigid against side loads.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2428/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE AND METHOD FOR THE THERMAL TREATMENT OF CORROSIVE GASES

(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)WACKER CHEMIE AG
(32) Priority Date	077 970.1	Address of Applicant :HANNES-SEIDEL-PLATZ 4, D-81737
(33) Name of priority country	:22/06/2011	MUNCHEN Germany
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)ELLINGER, NORBERT
(87) International Publication No	:NA	2)WIESBAUER, JOSEF
(61) Patent of Addition to Application Number	:NA	3)RING, ROBERT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for the thermal treatment of corrosive gases, comprising a chamber for heating gases in which there are at least four heating elements or four groups of heating elements consisting of an electrically conductive material, wherein each heating element or each group of heating elements is connected to a separately regulatable and/or controllable subsystem of an electrical energy network and can thereby be heated by direct current flow, wherein each separately regulatable and/or controllable heating element or each separately regulatable and/or controllable group of heating elements can be controlled or regulated with respect to at least one either identical or different value of a parameter in the group consisting of temperature, heating power, current, voltage, resistance or with respect to another process variable, which can be influenced by the device, of the heating element, and wherein at least four regulatable and/or controllable subsystems are DC-isolated from ground potential. The invention also relates to a corresponding method for the thermal treatment of corrosive gases.

No. of Pages : 34 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2475/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : STORAGE DEVICE FOR MOTOR VEHICLE COMPRISING LOCKING MEANS PREVENTING INADVERTENT OPENING OF THE DEVICE

(51) International classification	:E05B	(71)Name of Applicant :
(31) Priority Document No	:11 55557	1)FAURECIA INTERIEUR INDUSTRIE
(32) Priority Date	:23/06/2011	Address of Applicant :2, RUE HENNAPE, 92000
(33) Name of priority country	:France	NANTERRE France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BOULDRON, LUDOVIC
(87) International Publication No	: NA	2)BYSZEWSKI, GILLES
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This storage device (1) comprises a storage body (2), delimiting a storage space (4) accessible via an opening (6), and a door (8) mobile between an open position and a closed position passing through a partly opened position, the said device (1) comprising an opening device (24) mobile between an open position in which the door (8) is in the partly opened position, and a closed position in which the door (8) is held in its closed position. The storage device comprises locking means (38) mobile between a locking position in which the said locking means (38) prevent the door (8) from moving from the closed position or partly opened position to the open position, and an unlocking position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1442/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : THREE-WAY CATALYTIC SYSTEM HAVING AN UPSTREAM MULTI - LAYER CATALYST

(51) International classification :B01D53/94,B01J23/46,B01J23/63

(31) Priority Document No :12/951,311

(32) Priority Date :22/11/2010

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

(86) International Application No :PCT/EP2011/070541

Filing Date :21/11/2011

(87) International Publication No :WO 2012/069405

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)UMICORE AG & CO. KG

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(72)Name of Inventor :

1)NUNAN, John G.

2)KLINGMANN, Raoul

3)ANDERSEN Ryan J.

4)CLARK, Davion, Onuga

5)MOSER, David, Henry

(57) Abstract :

Disclosed herein is a layered, three-way conversion catalyst having the capability of simultaneously catalyzing the oxidation of hydrocarbons and carbon monoxide and the reduction of nitrogen oxides being separated in a front and rear portion is disclosed. Provided is a catalytic material of at least two front and two rear layers in conjunction with a substrate, where each of the layers includes a support, all layers comprise a platinum group metal component, and the rear bottom layer is substantially free of a ceria-containing oxygen storage component (OSC).

No. of Pages : 35 No. of Claims : 16

(54) Title of the invention : PRODUCTION OF XYLITOL FROM A MIXTURE OF HEMICELLULOSIC SUGARS

(51) International classification :C12P7/18,C12N1/20
 (31) Priority Document No :61/391,951
 (32) Priority Date :11/10/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/044696
 Filing Date :20/07/2011
 (87) International Publication No :WO 2012/050650
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

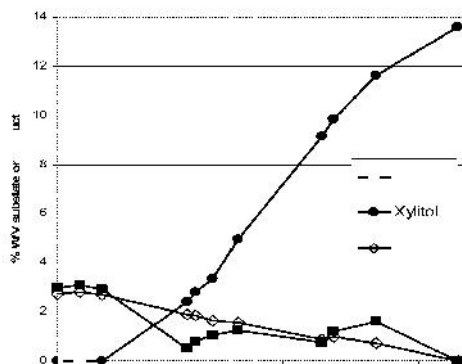
1)THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOISAddress of Applicant :352 Henry Administration Building,
506 Wright Street, Urbana, Illinois 61801 UNITED STATES OF AMERICA**2)ZUCHEM INC.**

(72)Name of Inventor :

1)ZHAO, Huimin**2)NAIR, Nikhil, Unni****3)RACINE, Michael****4)WOODYER, Ryan**

(57) Abstract :

Materials and methods are described to produce xylitol from a mixture of hemicellulosic sugars by several routes. Examples include either as a direct co-product of a biorefinery or ethanol facility, or as a stand-alone product produced from an agricultural or forestry biomass feedstock including using, e.g. ethanol waste streams.



No. of Pages : 69 No. of Claims : 19

(54) Title of the invention : EPOXY RESIN SYSTEM CONTAINING INSOLUBLE AND PARTIALLY SOLUBLE OR SWELLABLE TOUGHENING PARTICLES FOR USE IN PREPREG AND STRUCTURAL COMPONENT APPLICATIONS

(51) International classification :C08L63/00,C08J5/24,C08G59/06
 (31) Priority Document No :61/426,383
 (32) Priority Date :22/12/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/064076
 Filing Date :09/12/2011
 (87) International Publication No :WO 2012/087602
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

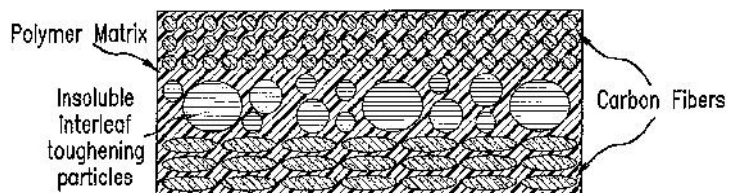
1)GRIFFIN, James

2)BONNEAU, Mark

3)EMMERSON, Gordon

(57) Abstract :

Resin compositions comprise an epoxy thermosetting resin; and at least two types of interlaminar toughening particles; wherein a first type of interlaminar toughening particles are insoluble in said epoxy thermosetting resin; wherein a second type of interlaminar toughening particles are partially soluble or swellable in said epoxy thermosetting resin. Prepregs and structural compounds contain these resin compositions, which are useful in the aerospace industry.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1445/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : TRANSFORMER COUPLED DISTRIBUTED AMPLIFIER

(51) International classification :H03F3/21,H03F3/60
(31) Priority Document No :12/942,467
(32) Priority Date :09/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/055195
Filing Date :07/10/2011
(87) International Publication No :WO 2012/064437
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :870 Winter Street, Waltham,
Massachusetts 02451-1449 UNITED STATES OF AMERICA
(72)**Name of Inventor :**
1)COMEAU, Jonathan, P.
2)MORTON, Matthew, A.
3)THOENES, Edward, W.

(57) Abstract :

An amplifier having an input transmission network with a plurality of input transformers having serially coupled primary windings and a secondary winding magnetically coupled to a corresponding one of the primary windings. The amplifier includes an output transmission network having a plurality of output transformers having serially coupled secondary windings with each one of the secondary winding magnetically coupled to a corresponding one of the primary windings. The amplifier includes a plurality of amplifier sections, each one the sections having an input connected to a corresponding one of the secondary windings of the input transformers and an output connected to a corresponding one of the primary windings of the output transformers. The input and output transmission networks are arranged to combine signals passing from an input to the input transmission network through the plurality of amplifier sections combine in-phase at an output of the output transmission section.

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1446/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : THREE-WAY CATALYTIC SYSTEM HAVING AN UPSTREAM SINGLE-LAYER CATALYST

(51) International classification :B01D53/94,B01J23/46,B01J23/63

(31) Priority Document No :12/951,301

(32) Priority Date :22/11/2010

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

(86) International Application No :PCT/EP2011/070539

Filing Date :21/11/2011

(87) International Publication No :WO 2012/069404

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)UMICORE AG & CO. KG

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(72)Name of Inventor :

1)NUNAN, John G.

2)KLINGMANN, Raoul

3)ANDERSEN, Ryan J.

4)CLARK, Davion, Onuga

5)MOSER, David, Henry

(57) Abstract :

Disclosed herein is a layered three-way catalytic system being separated in a front and a rear portion having the capability of simultaneously catalyzing the oxidation of hydrocarbons and carbon monoxide and the reduction of nitrogen oxides. Provided is a catalyst composite comprising a single front catalytic layer and two rear catalytic layers in conjunction with a substrate, where the single front layer and the rear bottom layer comprise a Pd component, the rear top layer comprises a Rh component, and the rear bottom layer is substantially free of an oxygen storage component (OSC).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1454/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : COATING TO REDUCE COKING AND ASSIST WITH DECOKING IN TRANSFER LINE HEAT EXCHANGER

(51) International classification :C10J3/84,C10J3/00,C10J3/46
(31) Priority Document No :61/411,713
(32) Priority Date :09/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/053941
Filing Date :29/09/2011
(87) International Publication No :WO 2012/064419
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

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2)KIM, Jyung-Hoon

(72)Name of Inventor :

1)KIM, Jyung-Hoon

(57) Abstract :

Coke formation in pyrolysis furnaces is controlled by applying a coating of boron nitride to pyrolysis furnace process equipment surfaces, for instance, parts of the transfer line heat exchanger assembly.

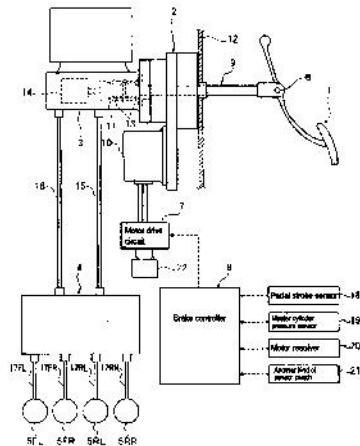
No. of Pages : 13 No. of Claims : 18

(54) Title of the invention : BRAKING FORCE CONTROL DEVICE FOR VEHICLE

(51) International classification	:B60T8/00,B60T13/74	(71) Name of Applicant :
(31) Priority Document No	:2010-235177	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:20/10/2010	Address of Applicant :2, Takara-cho, Kanagawa-ku
(33) Name of priority country	:Japan	Yokohama-shi, Kanagawa 221-0023, JAPAN
(86) International Application No	:PCT/JP2011/072596	(72) Name of Inventor :
Filing Date	:30/09/2011	1)AJIRO Keigo
(87) International Publication No	:WO 2012/053339	
(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 reduces the difference in braking target values to brake operation by the same pedal pressure at a low braking target value frequently used during usual running by a driver, and prevents a strange feeling of the brake operation given to the driver. A braking force control device for a vehicle is provided with a brake pedal (1), a motor booster (2), a master cylinder (3), a pedal pressure calculation unit (60), a pedal stroke sensor (18), a first target braking force calculation unit (65), a second target braking force calculation unit (66), a contribution degree set unit (63), and a target braking force calculation unit (67). The contribution degree set unit (63) so sets that the lower target braking force is estimated to be, the larger the contribution degree (1-) of first target braking force based on pedal pressure is than the contribution degree () of second target braking force based on a pedal stroke. The target braking force calculation unit (67) calculates the first target braking force and the second target braking force in accordance with the contribution degrees (1-),(), and obtains final target braking force by adding the first target braking force and the second target braking force.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1456/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HYBRID VEHICLE RAPID DECELERATION CONTROL DEVICE

(51) International classification :B60W10/06,B60K6/48,B60K6/54

(31) Priority Document No :2010-236049

(32) Priority Date :21/10/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/072983

Filing Date :05/10/2011

(87) International Publication No :WO 2012/053360

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor :

1)MATSUI Hiroki

2)TSUCHIKAWA Haruhisa

3)SHIMOYAMA Hiroki

(57) Abstract :

Provided is a hybrid vehicle in which a motor/generator (5) is positioned between an engine (1) and an automatic transmission (3), the engine (1) and the motor/generator (5) are connected via a first clutch (6), and a second clutch (7) is provided between the motor/generator (5) and a drive wheel (2). In an HEV mode in which the first clutch (6) is engaged, when deceleration of a vehicle is determined to be rapid deceleration of a threshold value or greater, the first clutch (6) is released and at the same time fuel supply to the engine (1) is stopped via an engine controller (21). When rapidly decelerating, even when the number of engine revolutions (Ne) drops to an idling rotation or lower due to a delay in the release of the first clutch (6), there is no combustion or explosion and thus floor vibration does not occur.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PUMP DEVICE AND METHODS FOR MAKING THE SAME

(51) International classification :A47K5/12,B05B11/00,F04B43/00

(31) Priority Document No :12/912,241

(32) Priority Date :26/10/2010

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

(86) International Application No :PCT/US2011/057781

Filing Date :26/10/2011

(87) International Publication No :WO 2012/094049

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)MEADWESTVACO CALMAR NETHERLANDS BV

Address of Applicant :501 South 5th Street, Richmond, Virginia 23219-0501, U.S.A

(72)Name of Inventor :

1)HAN DE MAN, Eelco

(57) Abstract :

The pump device (500) may include a pump (300), a product container (510), a dispenser head (520), and at least one dispenser body part (530). The pump (300) may include a base (310), a valve (330), and a bellow (350). The pump (300) of the pump device (500) may be assembled by inserting the valve (330) into a portion of the base (310). The bellow (350) may also fit with the base (310). The dispenser head (520) may mate with the base (310) and may act as a cap, sealing or holding the bellow (350) in communication with the base (310). In addition the dispenser head (520) may include a discharge passage (518). In this manner, the valve (330) of the pump device (500) mates with the discharge passage (518) of the dispenser head (520) to seal and open the discharge passage from the pump (300).

No. of Pages : 52 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1309/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SADDLE-RIDE TYPE VEHICLE

(51) International classification	:F02N3/04
(31) Priority Document No	:2012-070635
(32) Priority Date	:27/03/2012
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :2500 SHINGAI, IWATA-SHI,
SHIZUOKA, 438-8501, JAPAN
(72)**Name of Inventor :**
1)WAHEI TAKESAKO

(57) Abstract :

A front cover portion is formed for positioning a lower portion thereof further forward than an upper portion thereof. A head light unit is disposed in a lower portion of the front cover portion. A first lens portion is disposed in front of a first reflector portion. Second and third lens portions are disposed for extending to positions rearward of at least a portion of the first reflector portion. A cover upper edge portion of the front cover portion includes an upper protruding section protruded further forwards than the first lens portion. A cover lower edge portion of the front cover portion includes a lower protruding section protruded further forwards than the first lens portion.

No. of Pages : 35 No. of Claims : 16

(54) Title of the invention : DISPLACEMENT GENERATOR FOR FATIGUE ANALYSIS OF FLOATING PRODUCTION AND STORAGE UNIT PROCESS AND UTILITY PIPING

(51) International classification :G06F17/50
 (31) Priority Document No :12/902,736
 (32) Priority Date :12/10/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/054888
 Filing Date :05/10/2011
 (87) International Publication No :WO 2012/051019
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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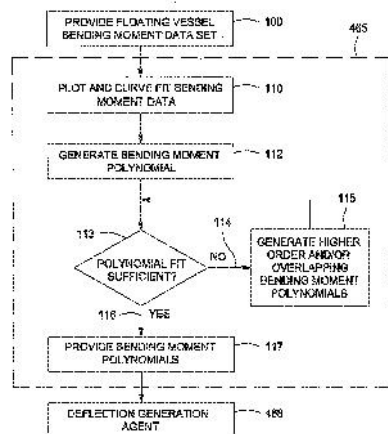
77002 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ROBLETO, Robert, Aurelius

(57) Abstract :

A method and system for performing fatigue analysis for a utility piping geometry having one or more restraint locations disposed about a floating vessel, which includes generating one or more bending moment polynomials from bending moment data associated with the floating vessel; generating a slope polynomial from each of the bending moment polynomials by integrating each of the one or more bending moment polynomials; generating a displacement polynomial from each of the slope polynomials by integrating each of the one or more slope polynomials; solving the slope polynomial integration constants; and solving the displacement polynomial integration constants to provide slope and displacement polynomials representing the floating vessel response to excitations while at sea.



No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1462/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : THREE PIECE THERMOPLASTIC CONTAINER

(51) International classification :B65D1/16,B65B7/28,B65D21/036
(31) Priority Document No :12/917,864
(32) Priority Date :02/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/050474
Filing Date :03/08/2011
(87) International Publication No :WO 2012/058771
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)INJECTNOTECH INC.
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(72)Name of Inventor :
1)CICCONE, Vince
2)BUSHBY, Maxwell

(57) Abstract :

A container for a material, wherein the container has a body, a base, and a lid is presented. The base may be with or without a tamper-evident feature, depending on requirements, while the lid is made preferably of a clear, transparent plastic. The body has a bottom and a tubular element defining sides of the body and extending upwardly from a periphery of the bottom. An upper portion of the tubular element forms an aperture of the body. The base has an externally directed annular protrusion which engages a recess in the aperture-forming portion of the tubular element of the body. In this way, a permanent seal is made at the top of the body after filling with the material. A lid is adapted to removably engage a top portion of the base.

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

(54) Title of the invention : REINFORCED DISTRIBUTOR FOR POST-COMBUSTION LANCE

(51) International classification :F27D3/16,C21C5/46
 (31) Priority Document No :61/412,348
 (32) Priority Date :10/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/060255
 Filing Date :10/11/2011
 (87) International Publication No :WO 2012/064996
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

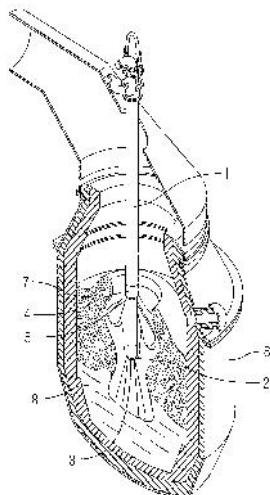
1)BERRY METAL COMPANYAddress of Applicant :2408 Evans City Road, Harmony, PA
16037 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)SMITH, Todd, G.

(57) Abstract :

A distributor for a post-combustion lance, comprising: an annular member, an inner reinforcing sleeve and an outer sleeve, wherein the annular member and the inner reinforcing sleeve may be made from different materials and the annular member and the outer sleeve each may be made from a first material. The annular member and the outer sleeve each may be made from a first material and the inner reinforcing sleeve may be made from a second material, a plurality of longitudinal ribs are spaced around an inner surface of the inner reinforcing sleeve and/or one or more of the plurality of longitudinal ribs is made of steel or other high strength material. Further, a plurality of longitudinal ribs may be spaced around an inner surface of the outer sleeve and may be made from steel or other high strength material. The annular member defines a plurality of openings that permit gas flow from within a gas passageway of the lance to flow through the annular member and outside of the lance and the inner reinforcing sleeve may define a plurality of first openings and the annular member may define a plurality of second openings, wherein each of the first and second openings are in fluid communication, directly or indirectly, with a first cooling fluid passageway of the lance. Further, each of the first openings is contiguous with and in direct fluid communication with one of the second openings. Additionally, the annular member may define a plurality of third openings, wherein each of the third openings is in fluid communication with a second cooling fluid passageway of the lance.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1464/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : FLUID-FILLED LENSES AND ACTUATION SYSTEMS THEREOF

(51) International classification :G02C5/22
(31) Priority Document No :61/411,978
(32) Priority Date :10/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/060186
Filing Date :10/11/2011
(87) International Publication No :WO 2012/064955
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :2755 SW 32nd Ave. Pembroke Park,
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(72)**Name of Inventor :**
1)EGAN, William
2)HAROUD, Karim
3)NIBAUER, Lisa
4)PETERSON, Matthew, Wallace
5)SCHNELL, Urban
6)SENATORE, Daniel

(57) Abstract :

An actuator assembly for an adjustable fluid- filled lens is provided. In some embodiments, the actuator assembly includes a clamp configured to adjust the optical power of the fluid lens module when the clamp is compressed. In some embodiments, a magnetic element is configured to adjust the optical power of the fluid-filled lens. In some embodiments, a plunger changes the optical power of the fluid lens module. In some embodiments, a reservoir is configured such that deformation of the reservoir changes the optical power of the fluid-filled lens. In some embodiments, a balloon is configured to deform the reservoir. In some embodiments, an adjustable fluid-filled lens includes a septum configured to be pierceable by a needle and automatically and fluidly seal a fluid chamber after withdrawal of the needle. In some embodiments, a thermal element can heat fluid within a fluid chamber to change an optical power of the lens module.

No. of Pages : 55 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1465/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND DEVICE FOR PRODUCING A LOCKING DEVICE AND LOCKING DEVICE FOR A LONGITUDINAL ADJUSTMENT MECHANISM OF A VEHICLE SEAT

(51) International classification	:B60N2/08
(31) Priority Document No	:10 2010 053 044.1
(32) Priority Date	:02/12/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/068997
Filing Date	:28/10/2011
(87) International Publication No	:WO 2012/072350
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)C. ROB. HAMMERSTEIN GMBH & CO. KG
Address of Applicant :Merscheider Str. 167, 42699 Solingen
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(72)**Name of Inventor :**
1)HOPPE, Jens

(57) Abstract :

In the method for producing a locking device of a longitudinal adjustment mechanism of a vehicle seat, the following method steps are carried out: a locking device is produced, the locking device having a plurality of round locking pins (20) which can be latched into position independently of one another and can be unlatched together, at least one guide part (22) and a notched strip (42), wherein the guide part (22) is assigned to a seat rail (26) and has guide bores for the locking pins (20). The notched strip (42) is assigned to a floor rail (34). The locking pins (20) have an upper actuating end (38) and a lower engagement region (40) interacting with the notched strip (42); said locking pins are lubricated during the production step or subsequently thereto. During and/or after the lubrication step, each individual locking pin is rotationally driven by a rotating device (44).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1466/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ANTIVIRAL CONDENSED HETEROCYCLIC COMPOUNDS

(51) International classification :C07D221/06,C07D221/08,C07D221/10
(31) Priority Document No :10191246.7
(32) Priority Date :15/11/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/070089
Filing Date :15/11/2011
(87) International Publication No :WO 2012/065963
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)CHALTIN, Patrick
2)CHRIST, Frauke
3)DEBYSER, Zeger
4)DE MAEYER, Marc
5)MARCHAND, Arnaud
6)MARCHAND, Damien
7)VOET, Arnout

(57) Abstract :

The present invention relates to compounds of formula (A), as further defined herein, having antiviral activity, more specifically HIV (Human Immunodeficiency Virus) replication inhibiting 5 properties. The invention also relates to pharmaceutical compositions comprising an effective amount of such compounds as active ingredients. The invention further relates to the use of such compounds, optionally combined with one or more other drugs having antiviral activity, for the treatment of animals suffering from viral infections, in particular HIV infection.

No. of Pages : 111 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1467/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE FOR APPLYING A FREE-FLOWING MEDIUM TO A WEB

(51) International classification	:B05C1/08	(71)Name of Applicant :
(31) Priority Document No	:10 2010 049 387.2	1)OLBRICHT GmbH
(32) Priority Date	:26/10/2010	Address of Applicant :Teutonenstrasse 2-10 46395 Bocholt
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/067430	(72)Name of Inventor :
Filing Date	:06/10/2011	1)PAGENDARM, Ralph
(87) International Publication No	:WO 2012/055686	2)ROSE, Peter
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for applying a free-flowing medium (5) to a continuously conveyed web (4), wherein the medium (5) can be transferred to the web (4) by means of a continuously rotating transfer roll, for example a gravure roll (11) provided with gravure grooves (12) on the circumference; wherein an application head (10) is provided in order to transfer the free-flowing medium (5) to the circumference of the gravure roll (11); wherein the application head (10) comprises a chamber (13) which is open toward the circumference of the gravure roll (11) and has an inlet (14) and an outlet (15) for the medium (5) to be applied; and wherein the front outer face, in the direction of rotation, of the chamber (13) is delimited by a front doctor blade (16) and the rear outer face, in the direction of rotation, is delimited by a rear doctor blade (18), both doctor blades being healingly seated against the circumference of the gravure roll (11). The device is characterized in that the front doctor blade (16) can be pressed against the circumference of the gravure roll (11) by means of a pressing body (24) with an adjustable pressing force.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DIGITAL PRINTING AND FINISHING METHOD FOR FABRICS AND THE LIKE

(51) International classification	:B41J3/407,B41J11/00	(71)Name of Applicant :
(31) Priority Document No	:MI2010A002176	1)FIM S.R.L.
(32) Priority Date	:24/11/2010	Address of Applicant :Via F.lli Salvioni, 6 -20154 Milano
(33) Name of priority country	:Italy	ITALY
(86) International Application No	:PCT/EP2011/067162	(72)Name of Inventor :
Filing Date	:30/09/2011	1)MILINI Luigi
(87) International Publication No	:WO 2012/069242	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method (1a,1b) of digital printing and finishing for fabrics and the like, comprising: -a step of unwinding a fabric (2) from a first reel (3), -a step of compensating the speeds and of spreading the fabric (2) for its positioning on a conveyor belt (5) provided with supporting means on which a digital printing step occurs, -a step of drying the fabric (2), -a step of winding the fabric (2) onto a second reel (11), these steps being executed at corresponding stations arranged in sequence with respect to each other and the fabric (2) passing through them continuously, transversely to the conveyor belt (5), there being a plurality of bars provided with printing heads which are controlled electronically and synchronized with the movement of the conveyor belt (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1476/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : RESCUE DESCENDER SYSTEM

(51) International classification	:A62B1/14
(31) Priority Document No	:1019462.9
(32) Priority Date	:18/11/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/052253
Filing Date	:18/11/2011
(87) International Publication No	:WO 2012/066342
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :Hopton Park, Devizes Wiltshire SN10

2JP, UNITED KINGDOM

(72)Name of Inventor :

1)JONES, Owain

2)JONES, Karl

(57) Abstract :

A descender device, typically for use in a fall arrest system, for enables a suspended body to be lowered, and includes a descent line and a release element to be actuated by a person. The release element is arranged in a restraint configuration to inhibit the descent line from being deployed and in a release configuration to permit the descent line to be deployed. A restraint arrangement is arranged prior to deployment of the descent line, to clamp or pinch a length of flexible line thereby to inhibit deployment of the descent line, the restraint arrangement being reconfigurable upon release of the release element to permit the descent line to be deployed.

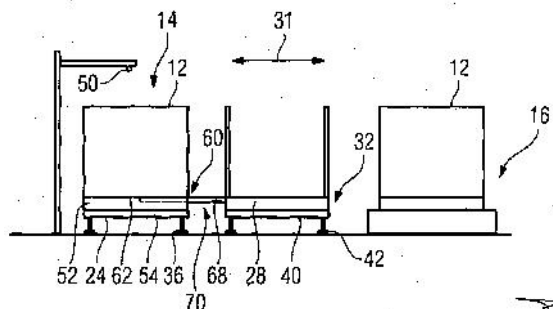
No. of Pages : 42 No. of Claims : 38

(54) Title of the invention : DEVICE FOR HANDLING TRANSMODAL TRANSPORTATION UNITS

(51) International classification	:B61D47/00,B65G63/02	(71)Name of Applicant :
(31) Priority Document No	:10 2010 043 916.9	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:15/11/2010	Address of Applicant :Wittelsbacherplatz 2, 80333 München,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/069194	(72)Name of Inventor :
Filing Date	:02/11/2011	1)GEDIEHN Alexander
(87) International Publication No	:WO 2012/065841	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for handling transmodal transportation units (12) between a train (14) of railway wagons (24) and a depositing place (16), having a handling unit (28) which is provided for laterally unloading a transportation unit (12) from a railway wagon (24) or laterally loading the railway wagon (24) with a transportation unit (12). In order to make available a device of the generic type in which a transportation unit can be coupled to a wagon in a structurally simple fashion such that rapid and simple handling of the transportation unit is carried out, it is proposed that the device have a spacer unit (52) which, in the transporting position of the transportation unit (12) on the railway wagon (24), is coupled to the transportation unit (12) and to the railway wagon (24) and forms a free space (60) which is arranged between the railway wagon (24) and the lower edge (62) of the transportation unit (12) and is provided in order to permit the handling unit (28) to be inserted in order to handle the transportation unit (12).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1478/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : WIPER ARM ARRANGEMENT AND METHOD FOR CONNECTING A WIPER BLADE TO A WIPER ARM

(51) International classification :B60S1/38,B60S1/40,B60S1/52
(31) Priority Document No :10 2010 052 308.9
(32) Priority Date :16/11/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/005255
Filing Date :19/10/2011
(87) International Publication No :WO 2012/065669
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DÜSTERHÖFT Richard

2)FITTERER Holger

3)RENN Uwe

4)SCHMID Heiko

5)ZYGAN Andreas

(57) Abstract :

The invention relates to a wiper arm arrangement with a wiper arm (12) of a windscreen wiper system of a vehicle and with a joining element (20) having at least one line (22). The joining element (20) can be coupled to a connecting element (16) which is designed for holding a wiper blade (14) and for connecting the wiper blade (14) to the wiper arm (12). By means of the coupling at least one corresponding line (24) of the connecting element (16) can be joined onto the at least one line (22) of the joining element (20). The connecting element (16) can be fitted onto the joining element (20) in an installation direction (88) which coincides at least substantially with a direction of longitudinal extent of the wiper arm (12). The joining element (20) is arranged on the wiper arm (12) so as to be movable in the direction of longitudinal extent of the wiper arm (12). Furthermore, the invention relates to a method for connecting a wiper blade (14) to a wiper arm (12) of a windscreen wiper system of a vehicle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1482/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DIFFERENTIATED HANDLING OF DATA TRAFFIC WITH ADAPTATION OF NETWORK ADDRESS LOOKUP

(51) International classification	:H04L29/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/065996
Filing Date	:22/10/2010
(87) International Publication No	:WO 2012/052067
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)DAMOLA, Ayodele
3)WILLARS, Per

(57) Abstract :

Differentiated Handling of Data Traffic with Adaptation of Network Address Lookup In a method of differentiated handling of data traffic, the data traffic is related to a network resource (80) and is preceded by a lookup procedure for obtaining a network address of the network resource (80). A message (203) of the lookup procedure is processed for adapting the lookup procedure. Due to the adaptation, the lookup procedure returns a network address of a replacement network resource (60). The replacement network resource (60) is capable of replacing the network resource (80) in communication of data packets of the data traffic. On the basis of the network address of the replacement network resource (60), differentiated handling of the data packets in said communication with the replacement network resource (60) is accomplished.

No. of Pages : 32 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONTACT SET ARRANGEMENT FOR RIGHT ANGLE JACK

(51) International classification :H01R13/641,H01R13/66,H01R107/00
(31) Priority Document No :61/405,945
(32) Priority Date :22/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/056420
Filing Date :14/10/2011
(87) International Publication No :WO 2012/054345
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MATTSON, Loren

(57) Abstract :

A connector system includes a jack module (510) mounted to a circuit board (600), which is connected to at least one processor. The jack module is configured to receive a plug connector (402) having a first set of contacts spaced from a second set of contacts. The jack module includes a first contact arrangement (520) configured to engage the first set of contacts of the plug and a second contact arrangement (530) configured to engage the second set of contacts of the plug. The second contact arrangement is provided on a media reading interface, which may provide presence sensing. The first and second contact arrangements engage landings (604, 605) on the circuit board. One example jack module defines a right -angle jack.

No. of Pages : 93 No. of Claims : 20

(54) Title of the invention : DENTAL IMPLANT SYSTEM AND METHOD FOR PRODUCING A DENTAL IMPLANT SYSTEM

(51) International classification :A61C8/00
 (31) Priority Document No :10 2010 051 176.5
 (32) Priority Date :15/11/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/005748
 Filing Date :15/11/2011
 (87) International Publication No :WO 2012/065718
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Holger ZIPPRICH

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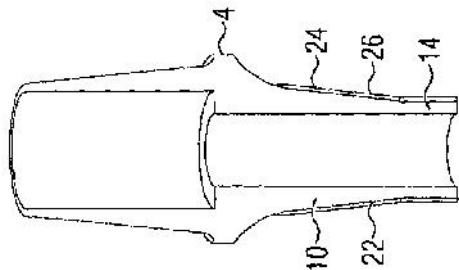
2)Urs BRODBECK**3)Markus SCHLEE**

(72)Name of Inventor :

1)Holger ZIPPRICH**2)Urs BRODBECK****3)Markus SCHLEE**

(57) Abstract :

The invention relates to a dental implant system (1, 1', 1) having a first implant part (2, 2', 2) provided for introduction into a jawbone and having a second implant part (4) associated therewith, for attachment of a dental prosthesis piece, wherein the implant parts (2, 2', 2, 4) can be mechanically connected to one another by means of a connecting lug (10) which is formed on one of the implant parts (2, 2', 2, 4) and can be inserted into a receiving channel (12) provided in the other implant part (2, 2', 2, 4), wherein said dental implant system should have a particular stability and long service life even when ceramic materials or base materials which are comparable in the basic material properties thereof are used for the implant parts (2, 4). For this purpose according to the invention in a contact region with the receiving channel (12) the connecting lug (10) is provided, in a bonded manner, with a spacer (22) made of a material which is softer by comparison with the material of the connecting lug (10), and in order to form a bonded connection to the coating (26) the connecting lug has a porous surface, preferably having a porosity of at least 0.1, in the surface region of said connecting lug provided with the coating (26).



No. of Pages : 30 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1485/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR ENABLING COLLABORATION AMONG TERMINALS IN A WIRELESS NETWORK

(51) International classification :H04B7/26,H04L5/00
(31) Priority Document No :61/415,259
(32) Priority Date :18/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/008841
Filing Date :18/11/2011
(87) International Publication No :WO 2012/067461
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Suwon-si, Gyeonggi-do 443-742, REPUBLIC OF KOREA
(72)**Name of Inventor :**
1)Kaushik JOSIAM
2)Zhouyue PI

(57) Abstract :

A method for Mobile Station (MS) collaboration for a Downlink (DL) or Uplink (UL) transmission in a wireless network having MSs in a Base Station (BS) cell is provided. The DL transmission method includes forming a cluster of MSs having a same type of radio interface, receiving, by each MS, a DL transmission including a DL control channel message and a DL data burst, extracting, by the MSs, a DL data assignment included in the DL control channel message and indicating a receiving MS intended to receive the DL data burst, decoding, by the MSs, the DL data assignment and the DL data burst according to a determination to collaborate in the DL transmission, transmitting, by the collaborating MSs, a re-encoded DL data burst to the receiving MS, the receiving MS receiving the re-encoded DL data burst from the collaborating MSs and the DL data burst from the BS.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1493/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR MANAGING DOMAIN NAME SYSTEM SECURITY (DNSSEC)

(51) International classification	:H04L29/12,H04L29/06	(71)Name of Applicant :
(31) Priority Document No	:61/410,460	1)CITRIX SYSTEMS, INC.
(32) Priority Date	:05/11/2010	Address of Applicant :851 West Cypress Creek Road, Fort
(33) Name of priority country	:U.S.A.	Lauderdale, FL 33309 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/058383	(72)Name of Inventor :
Filing Date	:28/10/2011	1)KONDAMURU, Ravi
(87) International Publication No	:WO 2012/061243	2)NARAYANA, Raghav, Somanahalli
(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 is directed towards systems and methods for providing multiple modes of a zone for DNSSEC by an intermediary device. The method includes providing, by a device intermediary to a plurality of clients and a plurality of servers, a plurality of modes of a zone for Domain Name Service. The device receives a selection of a first mode of the zone of the plurality of modes of the zone. The device receives information identifying to enable DNS Security for the selected first mode. The device establishes the zone for DNS in accordance with the selected first mode and with DNS Security enabled.

No. of Pages : 141 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1494/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DISPLAY DEVICE, USER INTERFACE METHOD, AND PROGRAM

(51) International classification:G06F3/048,G06F3/041,G09G5/00

(31) Priority Document No :2011-108669

(32) Priority Date :13/05/2011

(33) Name of priority country :Japan

(86) International Application
No :PCT/JP2012/062148

Filing Date :11/05/2012

(87) International Publication
No :WO 2012/157562

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

(62) Divisional to Application
Number :NA

Filing Date :NA

(71)Name of Applicant :

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3)KAWANO, Natsuko

4)SHIMOO, Kousei

5)TAKAYAMA, Fukiko

6)SASAHARA, Yuko

7)MURAKAMI, Keiichi

8)HAMATSU, Makoto

(57) Abstract :

A display device (100) comprises: a display unit (131) further comprising a display screen which displays an image; a console unit (132) further comprising a console screen which receives an operation by an operator contact; a display control unit (110) which displays on the display unit a plurality of icon images and one or more category images, representing one or more categories which are associated with the icon images; and an operation recognition unit (112) which recognizes a pinch out operation in which, while in contact with two points of the console screen, the distance between the two points is expanded, based on the operation which is received by the console unit. When the pinch out operation is recognized by the operation recognition unit, the display control unit switches the state of the icon images which are associated with at least one of the one or more categories from a compressed state wherein the icon images are not displayed to an expansion state wherein the icon images are displayed.

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

(54) Title of the invention : STRIP AND PROCESS FOR PRODUCING SAME, AND PROCESS FOR MANUFACTURING PNEUMATIC TIRE

(51) International classification:B60C5/14,B29C47/06,B29D30/06

(31) Priority Document No :2010-248862

(32) Priority Date :05/11/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/063935

Filing Date :17/06/2011

(87) International Publication No :WO 2012/060130

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SUGIMOTO, Mutsuki

(57) Abstract :

A strip of a thermoplastic elastomer, which is to be wound in a spiral manner on a cylindrical drum to form a tire inner liner having a shape close to a finished cross-sectional shape, wherein the strip comprises a composite layer composed of (A) a first layer comprising a styrene-isobutylene-styrene triblock copolymer and (B) a second layer comprising a styrene-isoprene-styrene triblock copolymer and/or a styrene-isobutylene diblock copolymer, the strip comprises a strip main body and ear parts arranged on the both sides of the strip main body, the strip main body has a thickness (T1) of 0.05-1.0 mm, each of the ear parts has a thickness (T2) that is lower than the thickness (T1) of the strip main body, and each of the ear parts has a width (W2) of 0.5-5.0 mm. This ribbon-shaped strip can reduce the unevenness of the surface of a sheet that is formed by the both end parts of the strip during the production of an inner liner.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1496/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ABSORBENT PRODUCT AND DISPOSABLE DIAPER

(51) International classification :A61F13/494
(31) Priority Document No :2010-252162
(32) Priority Date :10/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/006211
Filing Date :07/11/2011
(87) International Publication No :WO 2012/063461
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LIVEDO CORPORATION
Address of Applicant :45-2, Handaotsu, Kanadacho,
Shikokuchuo-shi, Ehime, 7990122 JAPAN
(72)**Name of Inventor :**
1)TAKAHASHI, Yuki
2)AMANO, Emi

(57) Abstract :

An absorbent body of a diaper has a central absorbent core, a pair of side absorbent cores and a pair of side elastic members. The side elastic members lie left and right of a front portion of the central absorbent core. The side absorbent cores lie left and right of rear and middle portions of the central absorbent core. In the diaper, by contraction of the side elastic members, the side absorbent cores come into close contact with the insides of thighs of a wearer, and urine is prevented from leaking from leg circumferences. Since the side absorbent cores are positioned left and right of the rear and middle portions of the central absorbent core, portions of the wearers leg circumferences in the vicinity of the front are not covered with the side absorbent cores, and interference with leg movement of the wearer is prevented.

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1513/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ACCELERATED CONTENT DELIVERY

(51) International classification	:H04W28/16	(71)Name of Applicant :
(31) Priority Document No	:PCT/EP2010/065985	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:22/10/2010	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/068569	1)LUWDIG, Reiner
Filing Date	:24/10/2011	2)MOLINERO FERNANDEZ, Pablo
(87) International Publication No	:WO 2012/052568	3)SVANBRO, Krister
(61) Patent of Addition to Application Number	:NA	4)WILLARS, Per
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a content delivery entity (100) configured to deliver a first data traffic from a first Internet content provider (310) to a mobile user equipment (200) via an access network of a mobile communications network. The entity (100) comprises an interface (113) configured to detect the first data traffic that shall be treated with priority. An acceleration unit,(120) is configured to accelerate the delivery of the first data traffic from the first Internet content provider to the content delivery entity, and a controller (110) is configured to forward the first data traffic from the first Internet content provider (310) to the mobile user equipment (200) in the access network in such a way that the first data traffic from the first Internet content provider (310) is routed to the mobile user equipment (200) in the access network with a priority different from that of a second data traffic that is delivered from a second Internet content provider (330, 390) through the access network.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1514/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : APPARATUS AND METHOD FOR PLACING VALVE BAGS

(51) International classification	:B65B43/26
(31) Priority Document No	:10 2010 051 722.4
(32) Priority Date	:20/11/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/005787
Filing Date	:17/11/2011
(87) International Publication No	:WO 2012/065743
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)REMFERT, Christian

(57) Abstract :

Disclosed are an apparatus and a method for placing and filling valve bags (2) on a filling spout of a packaging machine, said apparatus comprising a placing device (20), a bag feeding device (62), and a valve opening duct (31), the bag feeding device being used to place the valve bag on a filling spout of a packaging machine. According to the invention, at least one blowing device (9) comprising at least one air nozzle (11, 12) is provided in the valve opening duct in order to automatically open the valve of the valve bag in the projection duct.

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

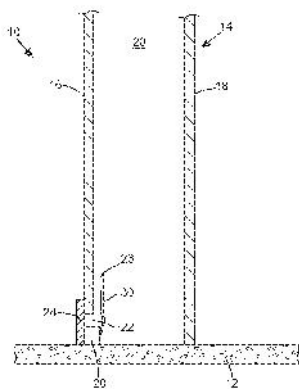
(54) Title of the invention : ACTUATOR AND METHOD OF MANUFACTURE THEREOF

(51) International classification :H03K17/96,H05B37/02,E04C2/04
 (31) Priority Document No :1019767.1
 (32) Priority Date :22/11/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/GB2011/052288
 Filing Date :22/11/2011
 (87) International Publication No :WO 2012/069818
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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4)MORLAT, Richard
5)MONGROLLE, Jean-Louis
6)BENKEMOUN, Yves
7)POUSSE, Christelle

(57) Abstract :

An actuator for controlling the operation of an apparatus comprises a panel (16) and an acoustic sensor (26). The panel provides a partition within a building structure, while the acoustic sensor is adapted to detect acoustic waves propagating through the panel. When a user exerts pressure against the panel, the sensor detects the acoustic waves that are formed and emits signals for controlling the operation of an apparatus, such as a doorbell, a light source, a television, a sound system a ventilation system, a window blind, a radio or an alarm.



No. of Pages : 29 No. of Claims : 31

(54) Title of the invention : FIRE-CURED TOBACCO EXTRACT AND TOBACCO PRODUCTS MADE THEREFROM

(51) International classification :A24B3/12,A24B15/24,A24B13/00
 (31) Priority Document No :12/949,361
 (32) Priority Date :18/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/061189
 Filing Date :17/11/2011
 (87) International Publication No :WO 2012/068375
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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5)HUNT, Eric Taylor
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7)RHOADES, Charles Bradford, Jr.
8)FLINCHUM, Jack Gray, Jr.
9)BEESON, Dwayne William
10)MABE, Jeremy Barrett

(57) Abstract :

The invention provides a tobacco product including a flavorful tobacco composition in the form of an extract of a fire-cured tobacco material. Exemplary tobacco products include smoking articles, smokeless tobacco compositions, and aerosol-generating devices that do not burn tobacco. The invention also provides a process for preparing a smokeless tobacco composition, the method including: mixing a fire-cured tobacco material having a first benzo[a]pyrene concentration with water to produce an aqueous slurry; maintaining the slurry for a time and at a temperature sufficient to form a fire-cured tobacco extract, the aqueous fire-cured tobacco extract exhibiting a second benzo[a]pyrene concentration lower than the first benzo[a]pyrene concentration; separating the aqueous fire-cured tobacco extract from a residual pulp material, and mixing the aqueous fire-cured tobacco extract with a tobacco or non-tobacco plant material to form a smokeless tobacco composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1435/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PRESSURE-SENSING HOSE

(51) International classification :G01M5/00,F16L11/127,F16L25/01
(31) Priority Document No :61/415,991
(32) Priority Date :22/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/061865
Filing Date :22/11/2011
(87) International Publication No :WO 2012/071424
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PEREIRA Luis R.
2)AL-ATAT Hassan
3)JUDS Mark A.

(57) Abstract :

A pressure-sensing hose assembly and method of its use are disclosed. In an example aspect, the pressure sensing hose assembly includes a hose assembly including a hose having first and second conductive layers and a circuit electrically connected to the first and second conductive layers of the hose assembly. The circuit generates an electrical response across the first and second conductive layers of the hose assembly. The pressure-sensing hose assembly further includes a computing system configured to receive the electrical response and estimate a pressure within the hose assembly based on the electrical response.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1436/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : SEALING COLLAR FOR A WASHING MACHINE

(51) International classification	:D06F37/26
(31) Priority Document No	:10 2010 062 590.6
(32) Priority Date	:08/12/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/071624
Filing Date	:02/12/2011
(87) International Publication No	:WO 2012/076410
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)GEORGI, Rodrigo
4)WERNER, Marcel

(57) Abstract :

The invention relates to a sealing collar (1) for a washing machine, which is essentially embodied in a hollow-cylindrical manner and is provided on the periphery thereof to surround a loading and unloading opening (2) of the washing machine, and is also designed to be fixed by means of a first end (3) to a front housing wall (4) of the washing machine. As a result the loading and unloading opening (2) can be closed by means of a pivotable porthole shaped door (16), and a lip seal (19) is disposed in the region of the first end (3) on an inner covering of the sealing collar (1) which rests, when the door (16) is closed, in a sealing manner on the outer covering surface (21). Said sealing collar (1) can also be fixed on the second end thereof (5) to the lye container and comprises a first section (22) which is oriented radially inwards and on which a second section (23) which extends essentially in the axial direction of the sealing collar (1) and in the direction of the second end thereof (5), can be fixed. Catching of wash items between the lip seal (19) and the outer covering surface (21) of the door (16) are prevented as both sections (22 and 23) of the lip seal (19) are configured in such a manner that, when the door (16) is in the closed state one region of the first section (22) rests flat on the outer cover surface (21) thereof, whilst the second section (23) is at an angle with respect to the first section (22), and extends towards an inner cover surface (24) of the sealing collar (1) and in the direction of the second end (5) thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1520/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HUMAN ANTIBODIES TO THE GLUCAGON RECEPTOR

(51) International classification	:A61K 39/00
(31) Priority Document No	:61/416,409
(32) Priority Date	:23/11/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/061766
Filing Date	:22/11/2011
(87) International Publication No	:WO 2012/071372
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)OKAMOTO, Haruka
2)SLEEMAN, Mark
3)HARP, Joyce

(57) Abstract :

The present invention provides antibodies that bind to the human glucagon receptor, designated GCGR and methods of using same. According to certain embodiments of the invention, the antibodies are fully human antibodies that bind to human GCGR. The antibodies of the invention are useful for lowering blood glucose levels and blood ketone levels and are also useful for the treatment of diseases and disorders associated with one or more GCGR biological activities, including the treatment of diabetes, diabetic ketoacidosis and long-term complications associated with diabetes, or other metabolic disorders characterized in part by elevated blood glucose levels.

No. of Pages : 138 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1521/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHODS FOR ENHANCING OXYGENATION OF JEOPARDIZED TISSUE

(51) International classification :C07C43/00
(31) Priority Document No :61/413,519
(32) Priority Date :15/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/060747
Filing Date :15/11/2011
(87) International Publication No :WO 2012/068079
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)EMANUELE, Martin

(57) Abstract :

Methods of use of specific polyoxyethylene/polyoxypropylene copolymers as therapeutic agents to enhance the oxygenation of jeopardized tissue by improving delivery of oxygen by damaged erythrocytes and/or to jeopardized tissues, preventing the development of disorders such as anemia, trauma, hypovolemia, inflammation, sepsis, microvascular compromise, sickle cell disease, acute chest syndrome, peripheral artery disease, myocardial infarction, stroke, peripheral vascular disease, macular degeneration, acute respiratory distress syndrome (ARDS), multiple organ failure, ischemia (including critical limb ischemia), hemorrhagic shock, septic shock, acidosis, hypothermia, and anemic decomposition, decreasing the need for transfusions, improving organ transplantation and improving the safety and efficacy of blood transfusions.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ANTIGEN DELIVERY PLATFORMS

(51) International classification :A61K39/12,C07K14/005,C12N15/86
(31) Priority Document No :61/391,960
(32) Priority Date :11/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/055834
Filing Date :11/10/2011
(87) International Publication No :WO 2012/051211
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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SWITZERLAND
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1)LILJA, Anders
2)LOOMIS, Rebecca
3)FRANTI, Michael
4)MASON, Peter

(57) Abstract :

This disclosure provides platforms for delivery of herpes virus proteins to cells, particularly proteins that form complexes in vivo. In some embodiments these proteins and the complexes they form elicit potent neutralizing antibodies. Thus, presentation of herpes virus proteins using the disclosed platforms permits the generation of broad and potent immune responses useful for vaccine development.

No. of Pages : 243 No. of Claims : 46

(54) Title of the invention : METHOD AND PNEUMATIC MATERIAL CONVEYING SYSTEM

(51) International classification :B65F5/00,B65G53/04
 (31) Priority Document No :20106150
 (32) Priority Date :03/11/2010
 (33) Name of priority country :Finland
 (86) International Application No :PCT/FI2011/050910
 Filing Date :19/10/2011
 (87) International Publication No :WO 2012/059632
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

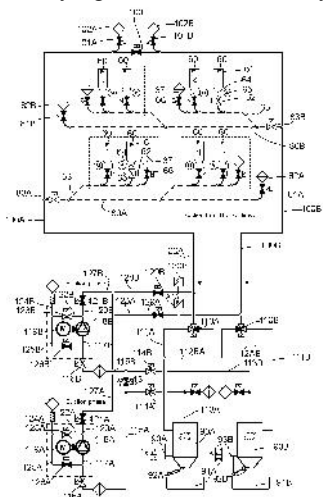
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FINLAND

(72)Name of Inventor :

1)SUNDHOLM, Göran

(57) Abstract :

Method in a pneumatic material conveying system, such as a waste conveying system, which conveying system comprises at least one input point (60) of material, more particularly of waste material, a material conveying pipe, which can be connected to the input point (60), and at least one separating device (90, 90A, 90B), in which the material to be conveyed is separated from the conveying air, and also means for achieving a pressure difference and/or a conveying air current in the conveying pipe at least during conveyance of the material, which means for achieving a pressure difference and/or a conveying air current comprise at least one pump unit, which comprises at least one pump device (118A, 118B). In the method the conveying piping comprises at least one main conveying pipe section (100A, 100B) and also at least one branch conveying pipe section (80A, 80B), which can be connected to the main conveying pipe section (100A, 100B) and in that an input point (60) can be connected to a branch conveying pipe section (80A, 80B), in which method material is transferred initially from an input point (60) via a branch conveying pipe (80A, 80B) into a main conveying pipe section (100A, 100B) by means of the suction/pressure difference and/or the conveying air flow achieved by at least one pump device (118A, 118B) and in which method a main conveying pipe section (100A, 100B) is used as a material reservoir and in that in a second phase the material transferred into a main conveying pipe section is transferred by means of the suction/pressure difference and/or the conveying air flow achieved by at least one pump device into a separating means (90A,



No. of Pages : 44 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1449/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : EMBARKING/DISEMBARKING EXTENSION HAVING BRAKING MEANS

(51) International classification :B61D23/02,B60R3/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/069190
Filing Date :08/12/2010
(87) International Publication No :WO 2012/076048
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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GERMANY

(72)Name of Inventor :

1)RASEKHI, Abbas

(57) Abstract :

The invention relates to an embarking/disembarking device (1) for a vehicle. The embarking/disembarking device has an extension (2) that can be moved back and forth between a retracted position and an extended position, a driven carrier (4), which carries along the extension, a motor and an associated transmission (3) in order to drive the carrier (4), braking means (5) in order to at least brake the extension (2), wherein the embarking/disembarking device is characterized in that the extension (2) is supported so as to be movable relative to the carrier (4), and the braking means (5) are moved at least from the released position thereof to the braking position thereof by the relative motion between the extension (2) and the carrier (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1538/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONNECTING SHEET-METAL PARTS TO FORM A LAMINATED CORE

(51) International classification	:B32B37/12,B32B15/08
(31) Priority Document No	:10014325.4
(32) Priority Date	:05/11/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/069437
Filing Date	:04/11/2011
(87) International Publication No	:WO 2012/059588
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)PERUZZI Martin

2)FLUCH Ronald

3)STOTZ Reinhold

4)STRAUSS Bernhard

5)DORNINGER Franz

(57) Abstract :

The invention relates to a method for connecting sheet metal parts (4) to form a laminated core (11), wherein sheet metal parts (4) are separated, in particular punched, from a sheet metal strip (2) that has, at least in some areas, a layer having curable polymer adhesive (12), and said sheet metal parts (4) are preliminarily connected to form a laminated core (11), said preliminary connection comprising plasticizing the adhesive (12) at least in some areas and joining the sheet metal parts (4) in order to connect the sheet metal parts by means of the plasticized adhesive (12) of at least one of the sheet metal parts (4), and in a subsequent step the laminated core (11) having preliminarily connected sheet metal parts (4) is subjected to a curing of the adhesive (12). In order to create an advantageous connection between the sheet metal parts, the plasticizing of the adhesive (12) comprises the introduction of a softener (16), in particular H₂O.

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

(54) Title of the invention : ANTICANCER FUSION PROTEIN

(51) International classification :C12N15/62,C07K14/705,C07K14/435
(31) Priority Document No :PL393578
(32) Priority Date :05/01/2011
(33) Name of priority country :Poland
(86) International Application No :PCT/EP2012/050145
Filing Date :05/01/2012
(87) International Publication No :WO 2012/093158
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)PIECZYKOLAN, Jerzy Szczepan**2)PAWLAK, Sebastian Dominik****3) EREK, Bartłomiej Maciej****4)RÍZGA, Piotr Kamil**

(57) Abstract :

A fusion protein comprising domain (a) which is a functional fragment of hTRAIL protein sequence, which fragment begins with an amino acid at a position not lower than hTRAIL95, or a homolog of said functional fragment having at least 70% sequence identity; and domain (b) which is a sequence of an anti- angiogenic effector peptide, wherein the sequence of domain (b) is attached at the C-terminus or N-terminus of domain (a). The fusion protein can be used for the treatment of cancer diseases.

No. of Pages : 102 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1526/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HIGH-TOUGHNESS COBALT-BASED ALLOY AND ENGINE VALVE COATED WITH SAME

(51) International classification :C22C19/07,B23K9/04,B23K10/02
(31) Priority Document No :2010-250597
(32) Priority Date :09/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061747
Filing Date :23/05/2011
(87) International Publication No :WO 2012/063511
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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JAPAN
2)NITTAN VALVE CO., LTD.
(72)Name of Inventor :
1)OTOBE, Katsunori
2)NISHIMURA, Shinichi
3)KURAHASHI, Kazunori

(57) Abstract :

Provided is a surface-hardening material provided with wear resistance and having superior shock resistance. Provided are: a high-toughness cobalt-based alloy containing 25.0- 40.0 mass% of Cr, a total of 0.5-12.0 mass% of W and/or Mo, 0.8-5.5 mass% of Si, 0.5-2.5 mass% of B, no greater than 8.0 mass% of each of Fe, Ni, Mn, and Cu, and no greater than 0.3 mass% of C, the sum of Fe, Ni, Mn, Cu, and C being no greater than 10.0 mass%, and the remainder comprising 48.0-68.0% of Co and unavoidable impurities; and an engine valve coated with same.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1527/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : MICRODISPERSIONS OF HYDROXAMATED POLYMERS AND METHODS OF MAKING AND USING THEM

(51) International classification :C08F8/32,C01B21/14,C08F2/32
(31) Priority Document No :61/425,555
(32) Priority Date :21/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065718
Filing Date :19/12/2011
(87) International Publication No:WO 2012/087862
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)LEWELLYN, Morris
2)ROTHENBERG, Alan, S.
3)CHEN, Haunn-lin, Tony
4)MAGLIOCCO, Lino, G.
5)SASSI, Thomas, P.

(57) Abstract :

Methods of producing microdispersions containing hydroxamated polymers by reacting water-in-oil microdispersions having vinyl polymers containing one or more pendant functional groups that react with hydroxylamine, with a hydroxylamine-free base substantially free of inorganic salt and containing less than 500 ppm hydrazine are disclosed herein, along with the microdispersions thereby obtained.

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

(54) Title of the invention : CATHETER ASSEMBLY AND A METHOD AND SYSTEM FOR PRODUCING SUCH AN ASSEMBLY

(51) International classification :A61M25/00
 (31) Priority Document No :10196593.7
 (32) Priority Date :22/12/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/073624
 Filing Date :21/12/2011
 (87) International Publication No :WO 2012/085107
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)GUSTAVSSON, Evelina

2)UTAS, Jan

(57) Abstract :

A catheter assembly is disclosed, comprising a catheter (1), such as a urinary catheter, which at least a partly is provided with a hydrophilic coating (14). The catheter assembly further comprises a wetting fluid. The receptacle (2) is in direct contact with the hydrophilic coating of the catheter over essentially the entire length of the part of the catheter being provided with the hydrophilic coating. This may e.g. be achieved by using a shrink wrap material. In order to accomplish adequate wetting, channels (15, 151, 22, 221) or the like may be provided on the inner surface of the receptacle or the outer surface of the catheter.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1529/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE FOR EMBOSSING FOILS

(51) International classification	:B31F1/07
(31) Priority Document No	:10196854.3
(32) Priority Date	:23/12/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/073756
Filing Date	:22/12/2011
(87) International Publication No	:WO 2012/085187
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)BOEGLI, Charles

(57) Abstract :

The foil embossing device has an embossing unit (34) comprising at least two rollers (40, 41) at least one of which (40) is an embossing roller and is driven by a drive (5), at least the embossing roller having teeth (B) that project from the base cylinder for producing logos on the foil in a logo area (27) with teeth (39) that are different from the regularly arranged teeth (A) in order to produce a variable specific embossing pressure on the foil, the rollers having both axially and radially acting centering elements(4, 8) for centering the embossing roller (40) with respect to the other roller (41). It is thus possible to emboss logos in a substantially greater variety of designs and with higher accuracy than in the prior art and thus to achieve a sophisticated esthetic impression.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : A LIQUID MEMBRANE SUITABLE FOR WATER EXTRACTION

(51) International classification :B01D61/40,B01D69/14
(31) Priority Document No :PA201001133
(32) Priority Date :17/12/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/IB2011/055635
Filing Date :13/12/2011
(87) International Publication No :WO 2012/080946
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)VISSING, Thomas
2)HANSEN, Jesper Sondergaard

(57) Abstract :

A liquid membrane matrix is disclosed in the form of an aquaporin containing bulk liquid membrane matrix (BLM), wherein said liquid membrane matrix is formed from a solution of an amphiphilic copolymer detergent wherein transmembrane proteins have been functionally incorporated and wherein said matrix further contains a stabilising oil phase. The uses of the membrane matrix include water extraction from liquid aqueous media by forward osmosis, e.g. for desalination of salt water.

No. of Pages : 33 No. of Claims : 26

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND DOSAGE FORM COMPRISING DRONEDARONE, AND PREPARATION METHOD THEREOF

(51) International classification :A61K9/48,A61K9/00,A61K31/00

(31) Priority Document No :10/59,306

(32) Priority Date :10/11/2010

(33) Name of priority country :France

(86) International Application No :PCT/FR2011/052622

Filing Date :10/11/2011

(87) International Publication No :WO 2012/063005

(61) Patent of Addition to

Application Number :NA

Filing Date :NA

(62) Divisional to Application

Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ABRAMOVICI, Bernard

2)BEILLES, Stéphane

3)GAUTIER, Jean-Claude

4)CHAMBONNET, Sandra

(57) Abstract :

The invention generally relates to a pharmaceutical composition for oral administration, containing, as active principle, a benzofuran derivative having antiarrhythmic activity, in particular dronedarone and the pharmaceutically acceptable salts thereof, and at least one lipid carrier, said pharmaceutical composition being intended to be used in a dosage form of the capsule type, in particular with a hard shell. This pharmaceutical composition and the dosage form comprising such a composition aim to limit the meal effect following oral administration in humans. The lipid carrier allows: the solubilisation of the active principle of the invention; and the shielding thereof from the negative effects of pH in the intestinal tract, thereby allowing same to be spared from the meal effect to a significant extent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1460/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DOUBLE TRANSITION SHIFT CONTROL IN AN AUTOMATIC POWERSHIFTING TRANSMISSION

(51) International classification :F16H61/18,F16H61/04,F16H61/16
(31) Priority Document No :61/412,961
(32) Priority Date :12/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/060311
Filing Date :11/11/2011
(87) International Publication No :WO 2012/065029
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BYERLY, John Andrew
2)KRESSE, John P.
3)RAINS, Mark A.
4)RUNDE, Jeffrey K.

(57) Abstract :

A system and method for controlling double transition shifts in an automatic transmission having multiple gear sections. During a double transition shift, the system performs simultaneous closed loop control of the primary oncoming clutch in the primary gear section and the secondary off-going clutch of the secondary gear section. Before the input shaft of the secondary gear section is fully pulled down or the secondary off-going clutch becomes overheated, the system switches closed loop control of the input shaft to the secondary on-coming clutch of the secondary gear section. The system utilizes model -based calculations to determine the initial clutch pressure settings when a clutch enters closed loop control.

No. of Pages : 45 No. of Claims : 40

(54) Title of the invention : ENERGY STORAGE SYSTEM FOR HYBRID ELECTRIC VEHICLE

(51) International classification :B60K6/28,B60W10/26,B60W20/00
 (31) Priority Document No :61/420,389
 (32) Priority Date :07/12/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/063695
 Filing Date :07/12/2011
 (87) International Publication No :WO 2012/078727
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :

An energy storage system comprising at least one energy storage module adapted to supply electrical energy to a hybrid vehicle. The energy storage module comprises an enclosure at least one battery array located within the enclosure, and an energy storage controller module located within the enclosure and electrically connected to the battery array. The energy storage controller module is further connected to a hybrid control module of the hybrid vehicle by a low voltage connector. A high voltage junction box is attached to a first end of the enclosure and having a plurality of high voltage connection terminals. At least one of the high voltage connection terminals is configured to receive a high voltage conductor connected between the energy storage module and an inverter of the hybrid vehicle. When multiple energy storage modules are used in conjunction one module functions as a master module and one module functions as a slave module.

No. of Pages : 87 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1553/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS

(51) International classification :A61K31/4192,A61K31/421,A61K31/422
(31) Priority Document No :61/416,807
(32) Priority Date :24/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/061643
Filing Date :21/11/2011
(87) International Publication No :WO 2012/071324
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LI, Danping

(57) Abstract :

The present invention relates to pharmaceutical compositions useful for administration for treating preventing or reducing the risk of microbial infections.

No. of Pages : 24 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1554/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/32,A61M5/24
(31) Priority Document No	:1051213-5
(32) Priority Date	:18/11/2010
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2011/051392
Filing Date	:18/11/2011
(87) International Publication No	:WO 2012/067584
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)HOLMQVIST, Anders

(57) Abstract :

Medicament delivery device comprising a housing (10) and container holder (12) accommodating a multi-chamber medicament container wherein said housing and said medicament container holder are interactively connected to and movable relative each other; a mixing guard mechanism interactively connected to the body for driving the medicament container holder within the housing achieving a reconstitution, wherein the mixing guard mechanism comprises a guard member (34), a force member (52), a guard member locking means (24,42) whereby, when the reconstitution is achieved, the medicament container holder and the guard member are movable in relation to said housing from a pre-mix position to a mixed position wherein said medicament container holder has been displaced distally in relation to said housing, at which mixed position said guard member locking means is activated, whereby said guard member is forced in the proximal direction by said force member for covering the delivery member (22).

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

(54) Title of the invention : METHOD FOR DISPLAYING AN ITEM ON A DISPLAY UNIT

(51) International classification :G06T7/00,G06F3/01,G06F3/041
 (31) Priority Document No :A 1956/2010
 (32) Priority Date :24/11/2010
 (33) Name of priority country :Austria
 (86) International Application No :PCT/AT2011/000475
 Filing Date :23/11/2011
 (87) International Publication No :WO 2012/068607
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)KIENZL, Thomas

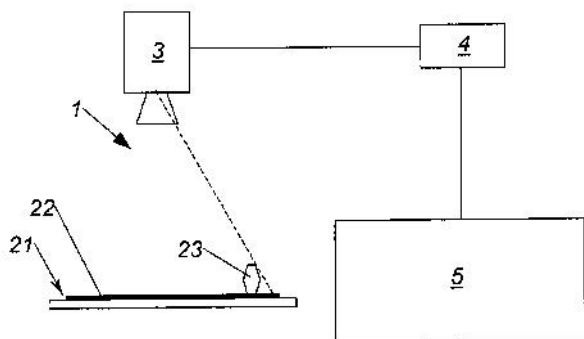
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(72)Name of Inventor :

1)KIENZL, Thomas

(57) Abstract :

By a method for displaying an item on a display unit (5), the following steps will be suggested: -arranging a first plan (22) of a first virtual space in a navigation area (21) of a navigation plane -imaging the navigation area (21) by means of an optical registration system (3) of a computer-supported interface system (1), -determining the position of a calibration arrangement of the first plan (22), and calibrating the plan coordinate system of the image of the first plan (22) in the computer-supported interface system (1) on the basis of the calibration arrangement, -assigning the first virtual space to the navigation area (21) in consideration of the plan coordinate system, -determining the coordinates, including position and orientation, of a manually guidable object (23) in the first plane (22) by means of the computer-supported interface system (1), the manually guidable object (23) having at least one optical marking, -assigning the coordinates of the manually guidable object (23) in the first plan (22) to coordinates of a virtual observer in the first virtual space, and displaying the field of vision of the observer in the virtual space on the display unit (5).



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

(54) Title of the invention : THERMOCHEMICAL SYSTEM HAVING A MODULAR CONNECTION

(51) International classification :F25B15/04,F25B33/00,F25B35/04
 (31) Priority Document No :1004118
 (32) Priority Date :20/10/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2011/000565
 Filing Date :20/10/2011
 (87) International Publication No :WO 2012/052634
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)RIGAUD, Laurent**2)KINDBEITER, Francis****3)DUTRUY, Laurent**

(57) Abstract :

The present invention relates to a thermochemical system comprising a reactor (1) or a chamber for storing a reactive material capable of absorbing a gas that is taken into the reactor by a diffuser (17,17) placed along the longitudinal axis (xx) of the latter, wherein the reactive material (2) and the gas are such that, when placed in the presence of each other, same are subjected to a reaction causing the reactive material (2) to absorb the gas, and conversely, same are subjected to a reaction for desorbing the gas, absorbed by the reactive material (2), by means of heating applied to the latter when it has absorbed gas. Said thermochemical system is characterized in that the diffuser includes a gas supply means (15a), a means (15c,19) for dispensing the gas into the reactive material (2), a filtration means (17b,17c), and a heating means. Said various means form a sub-assembly that is attached onto the housing (9) of the reactor (1) by means of a sealing element (16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1245/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : SADDLE-RIDE TYPE VEHICLE

(51) International classification	:B62J17/00	(71)Name of Applicant :
(31) Priority Document No	:2012-070636	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:27/03/2012	Address of Applicant :2500 SHINGAI, IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA, 438-8501, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KENSUKE MORISHITA
(87) International Publication 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 front cover is at least partially disposed in front of an engine unit. A side cover is formed separately from the front cover. The front cover includes a first front cover portion and a second front cover portion. The first front cover portion is shaped for extending in a vehicle transverse direction while passing through a vehicle center in the vehicle transverse direction and for extending rearwards. The second front cover portion is disposed rearwards of a front edge section of the first front cover portion. The second front cover portion is disposed outwardly lateral to the first front cover portion. A front edge section of the second front cover portion is overlapped with the first front cover portion in a vehicle side view. The front edge section of the second front cover portion includes a backwardly recessed shape.

No. of Pages : 39 No. of Claims : 15

(54) Title of the invention : METHOD AND APPARATUS FOR DATA INTERACTION

(51) International classification	:H04W52/02,H04W76/04	(71)Name of Applicant :
(31) Priority Document No	:201010551204.6	1)HUAWEI DEVICE CO., LTD.
(32) Priority Date	:19/11/2010	Address of Applicant :Building B2, Huawei Industrial Base,
(33) Name of priority country	:China	Bantian, Longgang DISTRICT, Shenzhen, P.R. CHINA 518129
(86) International Application No	:PCT/CN2011/082177	China
Filing Date	:15/11/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/065537	1)FU, Xing
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed in the invention are a method and device of data interaction. The method comprises the following steps: acquiring time intervals of the data interaction between each effective application and a network in a backstage application mode; selecting minimum time interval in the time intervals to be taken as the time of target timing of the data interaction, and starting a timer; when the time of target timing is out, acquiring each effective application of existing time interval between previous and last time of target timing, and determining each effective application to be an target application; activating a packet data protocol (PDP), establishing data chaining between each target application and the network, and carrying out the data interaction, and restarting the timer. In the method, based on activating the PDP once, each data chaining is established to carry out the data interaction with the network; on the premise of meeting each effective application, times of activating the PDP are reduced, thus reaching the purposes of reducing power consumption, decreasing power consumption of terminals, and prolonging the standby time of the terminals.

No. of Pages : 33 No. of Claims : 13

(54) Title of the invention : VAPOR-PERMEABLE SHOE WITH WATERPROOF AND VAPOR PERMEABLE SOLE

(51) International classification :A43B7/12,A43B13/16,A43B13/12
 (31) Priority Document No :PD2010A000348
 (32) Priority Date :19/11/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/EP2011/067975
 Filing Date :14/10/2011
 (87) International Publication No :WO 2012/065792
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)GEOX S.P.A.

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(72)Name of Inventor :

1)POLEGATO MORETTI Mario

(57) Abstract :

A vapor-permeable shoe (10) with waterproof and vapor-permeable sole, comprising - an upper assembly (11), -a sole (12, 112, 212), which is joined to the upper assembly (11) and comprises a body (13) made of waterproof material which has a tread (14) and has at least one region (15) that is permeable to water vapor, -a waterproof and vapor-permeable membrane (16), which covers the region (15), toward the inside of the shoe (10), -a protective element (17), which covers at least partially the lower face (16a) of the membrane (16), the shoe (10) further comprising at least one waterproof and vapor- permeable protective screen (18), which is superimposed, toward the inside of the shoe (10), on the membrane (16) so as to cover it at least partially, the protective screen (18) and the membrane (16) being sealed in a waterproof manner to the body (13) of the sole (12, 112, 212) at at least one sealing zone (A), which is peripheral to the region (15).

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

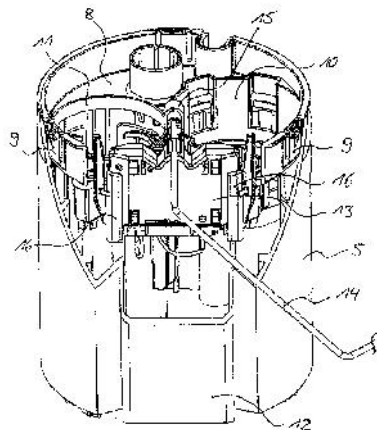
(54) Title of the invention : FUEL DELIVERY UNIT

(51) International classification :F02M37/10,F02M37/14,B60K15/03
 (31) Priority Document No :10 2010 054 883.9
 (32) Priority Date :17/12/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/072503
 Filing Date :13/12/2011
 (87) International Publication No :WO 2012/080199
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)CONTINENTAL AUTOMOTIVE GMBH
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 (72)Name of Inventor :
1)BENNER, Hans-Guenter
2)PAUER, Bernd

(57) Abstract :

The invention relates to a fuel delivery unit (4) in a fuel tank (1) of a motor vehicle, composed of a surge pot (5), a fuel pump (6) which is arranged in said surge pot and serves for delivering fuel out of the surge pot (5) to an internal combustion engine of the motor vehicle, a pump holder (8) for fastening the fuel pump (6) in the surge pot (5), and a fill level sensor (13) for determining the fill level in the fuel tank (1). The fill level sensor (13) is arranged on the pump holder (8).



No. of Pages : 12 No. of Claims : 6

(54) Title of the invention : COATED CUTTING TOOL INSERT

(51) International classification :C23C28/00,C23C30/00,B23B27/14
 (31) Priority Document No :10192235.9
 (32) Priority Date :23/11/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/070685
 Filing Date :22/11/2011
 (87) International Publication No :WO 2012/069475
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)FORSEN, Rikard
3)JOHANSSON, Mats
4)TASNADI, Ferenc
5)GHAFOOR, Naureen
6)ALLING, Björn
7)ODÉN, Magnus
8)ABRIKOSOV, Igor

(57) Abstract :

The present invention relates to a cutting tool insert for machining by chip removal comprising a body of a hard alloy of cemented carbide, cermet, ceramics, polycrystalline diamond or cubic boron nitride based materials onto which a hard and wear resistant coating is deposited by physical vapour deposition (PVD). Said coating comprising at least one layer of a Na Cl-structured (TicAla CrbMed)(CzOyNx) where Me is one or more of the elements Zr, Hf, V, Nb, Ta, Mo, W and/or Si, $0.10 < a < 0.60$ $b + d > 0.20$, $c > 0.05$, $0 < d < 0.25$, $0.75 < x < 1.05$, $0 < y < 0.25$ and $0 < z < 0.25$ with a thickness between 0.5 and 10 μm . Said layer has a columnar microstructure with an average columnar width of $< 1\mu\text{m}$ a compressive stress level of $-6\text{ GPa} < s < 0.5\text{ GPa}$ and a nanohardness $> 25\text{ GPa}$. This insert is particularly useful in metal cutting applications generating high tool temperatures.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PROCESS FOR GRINDING WAXES USING GRINDING AIDS IN A JET MILL, USE OF POLYOLS AS A GRINDING AID AND WAX POWDER COMPRISING POLYOLS

(51) International classification :C10G73/40,B01J2/00,C08L91/06
(31) Priority Document No :10 2010 052 028.4
(32) Priority Date :23/11/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/002021
Filing Date :22/11/2011
(87) International Publication No :WO 2012/069041
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SASOL WAX GMBH
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GERMANY
(72)Name of Inventor :
1)SCHNEIDER, Ulrich

(57) Abstract :

The present invention provides a process for grinding waxes, especially paraffin waxes, using a polyol as a grinding aid in a jet mill, especially a fluidized bed counter-jet mill, to wax powders thus produced and comprising the grinding aid, and the use of the polyols as a grinding aid for waxes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1560/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DISTRIBUTING RANDOM ACCESS IN A WIRELESS ACCESS SYSTEM

(51) International classification :H04B7/26,H04W74/08,H04W60/00
(31) Priority Document No :61/417,224
(32) Priority Date :25/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/009013
Filing Date :24/11/2011
(87) International Publication No :WO 2012/070879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)PARK, Giwon
2)YUK, Youngsoo

(57) Abstract :

The present description relates to a method in which a terminal performs network reentry procedures in an idle mode in a wireless access system, wherein the method comprises the following steps: receiving, from a base station, control information indicating an initial ranging back-off window size for machine-to- machine (M2M) terminals during a paging listening period; determining an initial ranging back-off window size for initial ranging using the received control information; and performing initial ranging procedures with the base station based on the determined initial ranging back-off window size.

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1561/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CLEANING TOOL

(51) International classification	:A47L13/42
(31) Priority Document No	:12/950,264
(32) Priority Date	:19/11/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/057855
Filing Date	:26/10/2011
(87) International Publication No	:WO 2012/067778
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)SHAW, Thomas, J.
2)ZHU, Ni
3)SMALL, Mark

(57) Abstract :

A tool that is useful for cleaning the attachment surfaces of a device used in medical applications, the tool having a housing with an open end, a closed end, a sidewall disposed between the open end and the closed end, and a positioning collar seated adjacent to the sidewall between the open and closed ends with a sponge extending through and releasably held by the positioning collar, a treating liquid disposed inside the housing, and a releasable fluid-tight seal disposed over the open end.

No. of Pages : 60 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1562/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PROCESS FOR ENCAPSULATING AN ACTIVE INGREDIENT

(51) International classification :A23L 1/00
(31) Priority Document No :PCT/IB2010/055958
(32) Priority Date :20/12/2012
(33) Name of priority country :IB
(86) International Application No :PCT/EP2011/071705
Filing Date :05/12/2011
(87) International Publication No :WO 2012/084467
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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3)MARTY, MAURES
4)VIVIEN CASTIONI, NATHALIE
5)WICK, MARION
6)ZAMPIERI, DANA

(57) Abstract :

The present invention relates to the field of encapsulation. More particularly, it relates to a new process for encapsulating an active ingredient in or on an edible composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1563/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : 1-DEOXY-D-XYLULOSE 5-PHOSPHATE SYNTHASE ALLELES RESPONSIBLE FOR ENHANCED TERPENE BIOSYNTHESIS

(51) International classification	:C07K 14/415
(31) Priority Document No	:10013809.8
(32) Priority Date	:20/10/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/005283
Filing Date	:20/10/2011
(87) International Publication No	:WO/2012/052171
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HUGUENEY, Philippe
2)DUCHENE, Eric
3)MERDINOGLU, Didier

(57) Abstract :

This invention relates to a method of enhancement of the 1-deoxy-D- xylulose 5-phosphate synthase (DXS) activity of plants or bacteria to increase terpenes production in cells. The invention also relates to an enhanced DXS sequence likely to be obtained by this method. This invention also relates to a method of enhancement of production of terpenes in a host cell containing the enhanced DXS enzyme. Finally the invention relates to transgenic bacterium or plants that express this polypeptide.

No. of Pages : 66 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1468/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : M2M DEVICE AND BASE STATION FOR TRANSMISSION AND RECEPTION OF MULTICAST TRAFFIC AND METHOD FOR TRANSMISSION AND RECEPTION OF MULTICAST TRAFFIC

(51) International classification :H04W68/02,H04B7/26,H04W4/06
(31) Priority Document No :61/419,718
(32) Priority Date :03/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/009125
Filing Date :28/11/2011
(87) International Publication No :WO 2012/074257
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)KIM, Jeongki
2)PARK, Giwon
3)YUK, Youngsoo

(57) Abstract :

A method for performing communication of a machine to machine (M2M) device with a base station comprises the steps of receiving a paging message from the base station; and receiving multicast data from the base station on the basis of the paging message, wherein the paging message includes time information indicating the time when the base station transmits the multicast data to the M2M device.

No. of Pages : 34 No. of Claims : 16

(54) Title of the invention : CATALYTIC CRACKING METHOD AND APPARATUS

(51) International classification :C10G51/00
 (31) Priority Document No :201010541483.8
 (32) Priority Date :11/11/2010
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2011/081689
 Filing Date :02/11/2011
 (87) International Publication No :WO 2012/062173
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)SHI, Baozhen

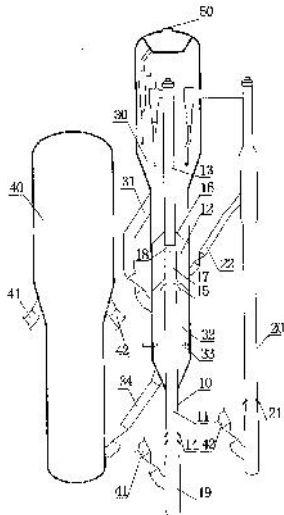
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(72)Name of Inventor :

1)SHI, Baozhen

(57) Abstract :

Disclosed are a catalytic cracking method and apparatus. The apparatus is used for implementing the method. Catalytic cracking is carried out in a primary reactor and an secondary light material reactor, wherein a regenerated catalyst contacts and reacts with a raw material oil in a first reaction region of the primary reactor, the reaction mixture flows upward, and the catalyst is separated by a separator; the separated catalyst flows to a stripping section, the reaction oil gas flows upward along a delivery pipe and enters a second reaction region of the primary reactor; the catalyst to be generated from the secondary light material reactor enters the second reaction region of the primary reactor, is mixed with the reaction oil gas from the first reaction region for further reaction; after reaction, the oil gas is separated from the catalyst, and fed to a following fractionation system, and the catalyst flows to the stripping section, is stripped together with the catalyst separated by the separator in the first reaction region, and enters a regenerator for regeneration. By using the apparatus and method of the present invention, the production distribution and production quality are improved, the project investment is reduced the energy consumption is lowered, and the implementation of the project is convenient.



No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1565/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : AIR FILTER MEDIUM COMBINING TWO MECHANISMS OF ACTION

(51) International classification	:C02F 1/66
(31) Priority Document No	:10 2010 052 155.8
(32) Priority Date	:22/11/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/005854
Filing Date	:21/11/2011
(87) International Publication No	:WO 2012/069172
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)JUNG, Anke

2)SEEBERGER, Andreas

(57) Abstract :

Air filter medium from a non-woven fabric, which is produced in a melt-spinning process and comprises a depth filter component and a surface filter component, the air filter medium being designed such as to have a long service life and the surface filter component allowing regeneration by way of a reverse pulse.

No. of Pages : 13 No. of Claims : 18

(54) Title of the invention : STEEL SHEET FOR CAN HAVING HIGH STRENGTH AND HIGH FORMABILITY, AND METHODS FOR MANUFACTURING THE SAME

(51) International classification :C22C38/06,C21D1/76,C21D9/46
 (31) Priority Document No :2010-268084
 (32) Priority Date :01/12/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/077446
 Filing Date :22/11/2011
 (87) International Publication No :WO 2012/073914
 (61) Patent of Addition to Application Number :NA
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 (62) Divisional to Application Number :NA
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5)TOBIYAMA Yoichi

(57) Abstract :

The present invention provides a steel sheet for cans which has high strength and high processability, characterized by containing, in terms of mass%, 0.070-0.080%, excluding 0.080%, C, 0.003-0.10% Si, 0.51-0.60% Mn, etc. and by having, in a rolling-direction cross-section thereof, an average crystal-grain diameter of 5 μ m or more and a crystal grain elongation rate of 2.0 or less. The steel sheet is further characterized in that the hardness difference obtained by subtracting the average Vickers hardness of a cross-section ranging from the surface to a depth of 1/8 the sheet thickness from the average Vickers hardness of a cross-section ranging from a depth of 3/8 the sheet thickness to a depth of 4/8 the sheet thickness is 10 points or more and/or the hardness difference obtained by subtracting the maximum Vickers hardness of the cross-section ranging from the surface to a depth of 1/8 the sheet thickness from the maximum Vickers hardness of the cross-section ranging from a depth of 3/8 the sheet thickness to a depth of 4/8 the sheet thickness is 20 points or more. The steel sheet is furthermore characterized by having a tensile strength of 500 MPa or higher and an elongation at fracture of 10% or higher. Also provided is a process for producing the steel sheet. This steel sheet for cans which has high strength and high processability, is suitable for use as a material for easy-to-open cans.

No. of Pages : 41 No. of Claims : 7

(54) Title of the invention : CONNECTING ARRANGEMENT AND METHOD FOR CONNECTING A WIPER BLADE TO A WIPER ARM FOR A WINDSCREEN WIPER SYSTEM OF A VEHICLE

(51) International classification	:B60S1/40	(71)Name of Applicant :
(31) Priority Document No	:10 2010 052 315.1	1)DAIMLER AG
(32) Priority Date	:16/11/2010	Address of Applicant :Mercedesstrasse 137, 70327 Stuttgart,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2011/005660	(72)Name of Inventor :
Filing Date	:11/11/2011	1)DÜSTERHÖFT Richard
(87) International Publication No	:WO 2012/065699	2)NESTLER Christina
(61) Patent of Addition to Application Number	:NA	3)SCHMID Heiko
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a connecting arrangement for connecting a wiper blade (14) to a wiper arm (12) for a windscreen wiper system of a vehicle. An adaptor (26) designed for holding the wiper blade (14) can be fitted onto the wiper arm (12) in an installation direction (78) which runs transversely with respect to a wiping surface definable by the wiping movement of the wiper blade (14). The connecting arrangement comprises a securing element which is designed as a sliding latch (22) arranged on the wiper arm (12). The sliding latch (22), which has a U-profile in cross section, serves for the positionally secured holding of the adaptor (26) on the wiper arm (12), and said sliding latch can be displaced along the wiper arm (12) from an installation position into a functional position securing the adaptor (26). The sliding latch (22) has a back (58) and two limbs (54), and at least one projection (56) engaging around the wiper arm (12) on the lower side is arranged on the limbs (54) of the slider (22). Furthermore, the invention relates to a method for connecting a wiper blade (14) to a wiper arm (12).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1570/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DRIVE CIRCUIT FOR AN ELECTROMAGNETIC RELAY

(51) International classification :H01H47/04,H01H47/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/070245
Filing Date :20/12/2010
(87) International Publication No :WO 2012/084002
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BRAUN Carsten
2)STEMPEL Ronald
3)STROHMAIER Harald

(57) Abstract :

The invention relates to a drive circuit (10) for an electromagnetic relay having a relay coil (11) and switch contacts, comprising a first switching device (13a), which is arranged between a first terminal of the relay coil (11) and a first voltage source (12a), a second switching device (13b), which is arranged between a second terminal of the relay coil (11) and a zero potential, and a control device (14) which is designed to produce a current flow through the relay coil (11) to close both switching devices (13a,13b). In order to provide a drive circuit which, firstly, has the shortest possible response time and secondly, can be produced constructively simply and therefore cost- effectively, a second voltage source (12b) be provided, which is connected via a third switching device (13c) to the first terminal of the relay coil (11), wherein the third switching device (13c) is arranged connected in parallel with the first switching device (13a), and the second voltage source (12b) has a higher voltage level than the first voltage source (12a), and the control device (14) is designed to produce a current flow through the relay coil (11), initially to close all three switching devices (13a, 13b, 13c) and, following the expiry of a predefined time period, firstly to open the third switching device (13c) again and secondly to keep the first and the second switching device (13a, 13b) closed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1571/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : RETROFITTING A FOSSIL-FIRED POWER PLANT WITH HEATING STEAM EXTRACTION CAPABILITY

(51) International classification	:F01K7/38
(31) Priority Document No	:10 2010 062 623.6
(32) Priority Date	:08/12/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/071180
Filing Date	:28/11/2011
(87) International Publication No	:WO 2012/076355
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)STIEF Gerald
2)PICKARD Andreas
3)SCHNEIDER Thomas
4)WEIN Johannes-Werner

(57) Abstract :

The invention relates to a method for retrofitting an existing steam turbine with a steam extraction facility, wherein the steam turbine comprises a plurality of pressure stages and is integrated into a fossil-fired steam power plant, wherein a steam extraction line is connected to one pressure stage or between two pressure stages of the steam turbine, and a heating steam turbine is connected into the steam extraction line.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1572/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CURRENT TRANSFORMER ASSEMBLY

(51) International classification :H01F38/30,H01F27/30,H01F27/29
(31) Priority Document No :10 2010 062 605.8
(32) Priority Date :08/12/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/070728
Filing Date :23/11/2011
(87) International Publication No :WO 2012/076334
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)
(72)Name of Inventor :
1)ANDREE Hendrik
2)OLSZEWSKI Wojciech
3)MARTIN SCHUMACHER

(57) Abstract :

The invention relates to a current transformer assembly comprising a first, a second, and a third annular winding body (4, 5). The winding bodies (4, 5) are aligned coaxially to each other, and connected to form a stack. A gap (6, 9) is formed between corresponding immediately adjacent winding bodies (4, 5). A gap (6, 9) between two immediately adjacent winding bodies (4, 5) is greater than gaps (6, 9) between further immediately adjacent winding bodies (4, 5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1490/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : A CONTAINER FOR SELECTIVE TRANSFER OF SAMPLES OF BIOLOGICAL MATERIAL

(51) International classification	:B01L3/14
(31) Priority Document No	:MI2010A002141
(32) Priority Date	:19/11/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2011/055161
Filing Date	:17/11/2011
(87) International Publication No	:WO 2012/066503
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)TRIVA, Daniele

(57) Abstract :

A container for selective transport of samples of biological material or of biological origin comprising a body (2) having at least a compartment (3) suitable for containing at least a fluid or liquid and/or for containing at least a portion (16a) of a collecting device (16) for biological samples, said body (2) comprising at least an access opening (4) to the compartment (3) and at least a containing wall (5) provided with at least a selective passage portion (6) configured such as to prevent exit of a fluid or liquid from the container (1), through the passage portion (6), at least in at least an operating sealed condition characterised at least by a rest state of the container (1) or by a first value of mechanical shaking of the container (1) and/or by a first value of relative centrifugal force to which the container (1) is subjected for a first interval of a predetermined time, and configured such as selectively to enable exit of the fluid or liquid from the container (1), across the passage portion (6), at least in an operating passage condition, characterised at least by a corresponding second state of mechanical shaking of the container (1) and/or wherein the container (1) is subjected to a corresponding second relative centrifugal force, for a second predetermined time interval.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1491/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : SAFETY CIRCUIT OF AN ELEVATOR, AND METHOD FOR IDENTIFYING A FUNCTIONAL NONCONFORMANCE OF A SAFETY CIRCUIT OF AN ELEVATOR

(51) International classification	:B66B5/00
(31) Priority Document No	:20106264
(32) Priority Date	:01/12/2010
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2011/000049
Filing Date	:24/11/2011
(87) International Publication No	:WO 2012/072859
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)KATTAINEN, Ari

2)HOVI, Antti

3)JOKINEN, Risto

(57) Abstract :

The invention concerns a safety circuit of an elevator and a method for identifying a functional nonconformance of a safety circuit of an elevator. In the method, a message (1) is formed in node A. A test field (2) is added to the message (1) in order to test the functionality of the safety circuit of the elevator. The message (1) containing the test field (2) is sent from the node A to the communication route (6) included in the safety circuit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1492/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PULL-IN DEVICE

(51) International classification :E05F1/16,E05F3/04
(31) Priority Document No :2010-256338
(32) Priority Date :16/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/073626
Filing Date :14/10/2011
(87) International Publication No :WO 2012/066883
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)IWAKI, Junpei

(57) Abstract :

Provided is a pull-in device configured in such a manner that a damper has improved durability and the stroke through which the damper operates is not reduced. A first slider (14-1) for assisting closing operation, a second slider (14-2) for assisting opening operation, and a damper base (22) are provided to an elongated base (12) so as to be respectively able to slide in the longitudinal direction of the base (12). The damper base (22) is disposed between the first slider (14-1) and the second slider (14-2). A first damper (24) is bridged between the first slider (14-1) and the damper base (22), and a second damper (25) is bridged between the second slider (14-2) and the damper base (22).

No. of Pages : 67 No. of Claims : 4

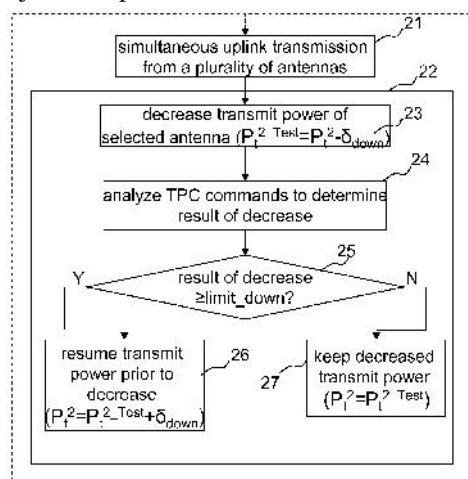
(54) Title of the invention : METHOD AND APPARATUS FOR UPLINK TRANSMIT POWER ADJUSTMENT

(51) International classification :H04W52/42,H04B7/06,H04W16/28
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/SE2010/051171
 Filing Date :28/10/2010
 (87) International Publication No :WO 2012/057663
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
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 (72)Name of Inventor :
1)CHRISTOFFERSSON, Jan
2)ERICSON, Mårten

(57) Abstract :

The present invention relates to a method and a user equipment for use in a wireless communication system. The method and user equipment allow for transmit power adjustment of the transmit power of a selected of a plurality of antennas of the user equipment. The method comprised a transmit power adjustment phase during which it is test (23) is performed to decrease the transmit power of the selected antenna. A number of TPC commands are then analyzed (24) to determine a result of the decreased transmit power indicating a change in received power at a base station. Based on the determined result it is decided to continue (27) with the decreased transmit power or to resume (26) the previous transmit power of the selected antenna after completion of the transmit power adjustment phase.



No. of Pages : 33 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1487/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : FOAM WATER TREATMENT SYSTEM

(51) International classification	:C02F3/04
(31) Priority Document No	:61/417,742
(32) Priority Date	:29/11/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/062377
Filing Date	:29/11/2011
(87) International Publication No	:WO 2012/074995
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KUENNEN, Roy W.
2)CONRAD, Kenneth E.
3)BAARMAN, David W.

(57) Abstract :

A foam filter is provided that may form a radial flow or a stacked flow filter. In the radial flow configuration, the foam may be wrapped around an inner support core. The inner support core may define holes to allow the water to enter the support core and exit the filter. More than one foam layer may be used, and a single sheet of foam wrapped in a spiral may form a multi-layer configuration. A non-permeable flexible layer may be positioned between adjacent foam layers to facilitate flow through the filter. In the stacked flow configuration, multiple foam layers may be used and water can flow successively or simultaneously through the foam layers. Functional layers may be added to provide other filtration functions.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1488/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CUSTOMIZATION OF MOBILE-APPLICATION DELIVERY

(51) International classification :G06F15/16,G06F17/00,G06F9/44

(31) Priority Document No :13/004,613

(32) Priority Date :11/01/2011

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

(86) International Application No :PCT/US2011/031214

Filing Date :05/04/2011

(87) International Publication No :WO 2012/096683

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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1)RAN, Alexander S.

2)MCGLOIN, Daniel C.

3)GOSBY, Desiree D.G.

4)OTILLIO, Troy D.

(57) Abstract :

A technique for facilitating customization of a software application is described. During this customization technique, an indicator, which indicates that a software application for an electronic device has been discovered by a user, is provided to a publisher of the software application. In response to the indicator, the publisher provides a token to the user. This token identifies a customized application-delivery service for the software application and/or a user-specific customization of the software application. Note that the customized application-delivery service and the user-specific customization are based on information about the user associated with the user's pre-existing or just-established relationship with the publisher. Next, the token is provided to an application-delivery service, and the application-delivery service provides the customized software application to the electronic device or a computer, for example, using the customized application-delivery service.

No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1489/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ARYLAMIDE DERIVATIVES AS TTX-S BLOCKERS

(51) International classification :C07D213/81,A61K31/44,A61K31/4427
(31) Priority Document No :61/394,017
(32) Priority Date :18/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/JP2011/005802
Filing Date :18/10/2011
(87) International Publication No :WO 2012/053186
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)KAWAMURA, Kiyoshi
3)ARANO, Yoshimasa
4)MORITA, Mikio

(57) Abstract :

The present invention relates to arylamide derivatives which have blocking activities of voltage gated sodium channels as the TTX-S channels, and which are useful in the treatment or prevention of disorders and diseases in which voltage gated sodium channels are involved. The invention also relates to pharmaceutical compositions comprising these compounds and the use of these compounds and compositions in the prevention or treatment of such diseases in which voltage gated sodium channels are involved.

No. of Pages : 411 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1581/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : MOBILE TERMINAL WITH MUTLIPL SIM CARDS

(51) International classification :H04B1/38,H04W88/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/066273
Filing Date :27/10/2010
(87) International Publication No :WO 2012/055434
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)NEUMANN, Markus
2)BRAND, Roland

(57) Abstract :

The invention relates to a user equipment comprising a plurality of radio branches (30, 130, 330; 40, 140, 340), each being configured to exchange information with at least one telecommunications network using a subscriber identification interface (no, 120) of the user equipment. A processing and control unit (150) processes the information received from one or a plurality of telecommunications networks and controls the plurality of radio branches (30, 130, 330; 40, 140, 340), wherein the processing and control unit (150) is configured to operate in a first operating mode in which at least two of the plurality of radio branches (30, 130 330; 40, 140, 340) exchange information with one telecommunications network using a subscriber identification interface (110, 120) associated with said one telecommunications network. It can furthermore operate in a second operating mode in which a first radio branch (30, 130, 330) out of the plurality of radio branches (30, 130 330; 40, 140, 340) exchanges information with a first telecommunications network using a subscriber identification interface (110) associated with said first telecommunications network and in which a second radio branch (40, 140, 340) out of the plurality of radio branches (30, 130, 330; 40, 140, 340) exchanges information with a second telecommunications network using a subscriber identification interface (120) associated with said second telecommunications network.

No. of Pages : 35 No. of Claims : 25

(54) Title of the invention : MOBILE RADAR SYSTEM

(51) International classification :H01Q3/26,G01S7/03,G01S13/87
 (31) Priority Document No :12/960,785
 (32) Priority Date :06/12/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/058511
 Filing Date :31/10/2011
 (87) International Publication No :WO 2012/096709
 (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 :

Described is a mobile radar system which provides both persistent surveillance and tracking of objects with adaptive measurement rates for both maneuvering and non maneuvering objects. The mobile radar system includes a vehicle having mounted therein an active electronically steerable, phased array radar system movable between a stowed position and a deployed position and wherein the phased array radar system is operational in both the deployed and stored positions and also while the vehicle is either stationary or moving. Thus, the mobile radar system described herein provides for longer time on target and longer integration times, increased radar sensitivity and improved Doppler resolution and clutter rejection. This results in a highly mobile radar system appropriate for use in a battlefield environment and which supports single integrated air picture metrics including but not limited to track purity, track completeness, and track continuity and thus improved radar performance in a battlefield.

No. of Pages : 47 No. of Claims : 19

(54) Title of the invention : BRIQUETTE MACHINE

(51) International classification :B30B11/16,B30B15/30,B30B3/04

(31) Priority Document No :2011-042973

(32) Priority Date :28/02/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/004791

Filing Date :29/08/2011

(87) International Publication No :WO 2012/117458

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HINO, Takehiko**2)NISHIMURA, Ryouma**

(57) Abstract :

The briquette machine of the present invention is to secure the quality of the briquettes and to improve the efficiency of matching the pockets on the outer surface of the ring. The briquette machine 10 of the present invention comprises a first roll 12 and a second roll 14. Each is ring shaped. The axis of rotation of the first roll and that of the second roll are disposed parallel to each other and each roll has pockets 28, 30 on its outer surface whereby raw material is compressed between the pockets of the first roll and that of the second roll. It further comprises a driving unit 16 that produces a force for driving rotations, a first coupling member 18 that conveys the force driving the rotations of the driving unit to the first roll, a rotating member on the roll side 64 that rotates with the second roll as one body, a rotating member on the side of the driving unit 66 that is rotated by the driving unit, a mechanism for adjusting the position 86 of the rotating member on the roll side in the direction of rotation of the rotating member on the roll side 64 relative to the rotating member on the side of the driving unit 66, and a second coupling member 20 that conveys the force driving the rotations of the driving unit to the second roll.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1511/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR SMALL BORE ASPIRATION

(51) International classification	:A61F9/007
(31) Priority Document No	:61/423,752
(32) Priority Date	:16/12/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/064423
Filing Date	:12/12/2011
(87) International Publication No	:WO 2012/082623
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)LEE, Eric

(57) Abstract :

An assembly for a phacoemulsification surgical system includes an aspiration system arranged to aspirate fluid from a surgical site. The aspiration system includes an aspiration path within the phacoemulsification hand piece and includes a flexible small bore aspiration tubing in fluid communication with the aspiration path. The small bore aspiration tubing has a nominal inner diameter smaller than about.050 inch to reduce levels of occlusion surge within the surgical system. A high output, peristaltic pump communicates with the small bore aspiration tubing and is operable to create a flow through the small bore aspiration tubing.

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

(54) Title of the invention : CATHETER WITH SHAPE MEMORY ALLOY ACTUATOR

(51) International classification :A61B8/12
 (31) Priority Document No :61/405,784
 (32) Priority Date :22/10/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/057517
 Filing Date :24/10/2011
 (87) International Publication No :WO 2012/054926
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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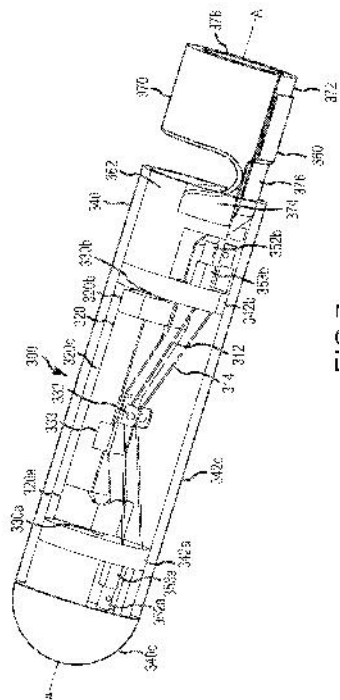
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(72)Name of Inventor :

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(57) Abstract :

Actuators employable for oscillating movement of a load. An improved actuator may include at least a first shape memory member that is actuatable to affect at least a portion of the oscillating movement of the load. The actuator may further include a second shape memory member actuatable to affect at least a second portion of the oscillating movement of the load. The utilization of one or more shape memory members facilitates the realization of controllable and reliable oscillating movement of a load in a compact manner. Such actuators may be used in imaging catheters having an ultrasound transducer disposed for oscillating movement to scan across an internal region of interest. Such imaging catheters may be used in generating three dimensional and/or real-time three dimensional (4D) images.



No. of Pages : 71 No. of Claims : 88

(54) Title of the invention : MULTI-BAND CHANNEL CAPACITY FOR METER NETWORK

(51) International classification :H04W72/02,G08C17/02,H04W40/12
(31) Priority Document No :61/426,746
(32) Priority Date :23/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/066518
Filing Date :21/12/2011
(87) International Publication No :WO 2012/088284
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SENSUS USA INC.
Address of Applicant :8601 Six Forks Road, Suite 300,
Raleigh, NC 27615 UNITED STATES OF AMERICA
(72)Name of Inventor :
1)SANDERFORD, H., Britton

(57) Abstract :

A communication system that relays data messages from or to a plurality of remote endpoints via RF gateways to a data accumulation site over one of a series of communication channels. The communication system monitors the signal to noise ratio of communication from each individual endpoint, which can be utility meters and related control or monitoring points, to a gateway. Based upon a quality of service and/or the signal to noise ratio of the communication of the endpoints to the gateways, the system assigns a desired communication channel to the endpoint. Each of the desired communication channels have varying data transmission rate and required SNR and each channel is selected based upon the signal to noise ratio of the transmissions from the endpoint to the gateways. If the signal to noise ratio changes for an endpoint, the system dynamically reassigns a different channel to the meter based upon the updated signal to noise ratio.

No. of Pages : 23 No. of Claims : 22

(54) Title of the invention : MOBILE DISCHARGE DEVICE FOR POWDER AND GRANULAR MATERIAL STORAGE SILO AND POWDER AND GRANULAR MATERIAL STORAGE SILO

(51) International classification	:B65G65/48,B65D90/00	(71) Name of Applicant :
(31) Priority Document No	:2010-262308	1)KAWASAKI JUKOGYO KABUSHIKI KAISHA
(32) Priority Date	:25/11/2010	Address of Applicant :1-1, Higashikawasaki-cho 3-chome,
(33) Name of priority country	:Japan	Chuo-ku, Kobe-shi, Hyogo 650-8670 JAPAN
(86) International Application No	:PCT/JP2011/006343	(72) Name of Inventor :
Filing Date	:14/11/2011	1)KOTAKI, Takashi
(87) International Publication No	:WO 2012/070196	2)MORI, Fumio
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A mobile discharge device for a powder and granular material storage silo (1) is provided with: a travel body (10) which travels along a groove (103) provided on a lower part of a storage silo (101); a scraping device (20) which moves integrally with the travel body (10) and has blades (21) rotating above the groove (103) to scrape up coals (106) in the storage silo (101) and scrape out the same to the groove (103); and a groove covering mechanism (50) which covers a predetermined range of the groove (103) in a range of a rotation locus of the blades (21), and the discharge device (1) is capable of suppressing change in the discharge amount of the coals (106) discharged from the powder and granular material storage silo (101) with the blades (21).

No. of Pages : 37 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1507/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : NOVEL INDOLIZINE DERIVATIVES, AND PREPARATION AND THERAPEUTIC USE THEREOF

(51) International classification :C07D471/04,A61K31/443,A61P9/00
(31) Priority Document No :1059445
(32) Priority Date :17/11/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/052661
Filing Date :16/11/2011
(87) International Publication No :WO 2012/066234
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)ALTENBURGER, Jean-Michel

2)CAUSSANEL, Franck

3)MALLART, Sergio

4)PHILIPPO-ORTS, Marie-Claire

(57) Abstract :

The invention relates to indolizine derivatives of general formula (I), where A, B, m, W, n and R2 are as defined in claim 1, as well as to the method for preparing same and to the therapeutic use thereof.

No. of Pages : 142 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1508/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR TRANSFORMING FRAME FORMAT AND APPARATUS USING SAME METHOD

(51) International classification :H04N13/00,H04N7/24
(31) Priority Document No :61/413,482
(32) Priority Date :15/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/008694
Filing Date :15/11/2011
(87) International Publication No :WO 2012/067399
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)LG ELECTRONICS INC.

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(72)Name of Inventor :

1)SUNG, Jaewon

2)PARK, Seungwook

3)LIM, Jaehyun

4)KIM, Jungsun

5)PARK, Joonyoung

6)CHOI, Younghee

7)JEON, Byeong Moon

8)JEON, Yongjoon

(57) Abstract :

Disclosed are a method for transforming a frame format and an apparatus using the method, which can comprise a step of decoding an encoded multiview video compression (MVC) compatible frame by using an MVC decoder, and a step of transforming the decoded MVC compatible frame into an advanced 3D frame. As a result, a different frame format can be played from an existing image processing device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1593/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : MULTISPECIFIC ANTIGEN BINDING PROTEINS TARGETING HGF

(51) International classification :C07K16/22

(31) Priority Document No :61/416,844

(32) Priority Date :24/11/2010

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

(86) International Application No :PCT/EP2011/070868

Filing Date :23/11/2011

(87) International Publication No :WO 2012/069557

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)GLAXO GROUP LIMITED

Address of Applicant :980 Great West Road Brentford,
Middlesex TW8 9GS UNITED KINGDOM

(72)Name of Inventor :

1)GRIGGS, Jeremy

2)PARMAR, Radha, Shah

3)STEWARD, Michael

(57) Abstract :

The invention relates to combinations of HGF- antagonists with VEGF antagonists, and provides antigen binding proteins which bind to HGF comprising a protein scaffold which are linked to one or more epitope-binding domains wherein the antigen-binding protein has at least two antigen binding sites at least one of which is from an epitope binding domain and at least one of which is from a paired VH/VL domain, methods of making such constructs and uses thereof.

No. of Pages : 128 No. of Claims : 16

(54) Title of the invention : TROFFER-STYLE OPTICAL ASSEMBLY

(51) International classification :F21S4/00,F21V15/01
 (31) Priority Document No :12/961,385
 (32) Priority Date :06/12/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/062396
 Filing Date :29/11/2011
 (87) International Publication No :WO 2012/078408
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

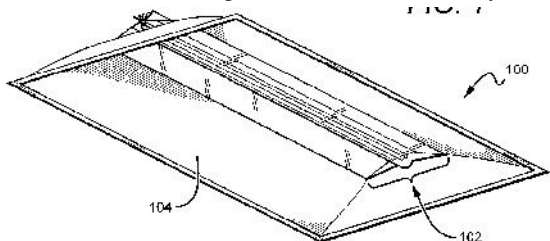
1)CREE, INC.Address of Applicant :4600 Silicon Drive, Durham, NC
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(72)Name of Inventor :

1)PICKARD, Paul, Kenneth

(57) Abstract :

A troffer-style fixture. The fixture is particularly well, suited for use with solid state light sources. The troffer comprises a light engine unit (200) surrounded by a reflective pan (104). An elongated heat sink (202) comprises a mount surface for light sources. An elongated lens (206) is mounted on or above the heat sink. The mount surface is designed to accommodate the light emitters which may come on prefabricated a light strip. One or more reflectors (208) extend out away from the heat sink on the mount surface side. A lens plate (210) is mounted to proximate to the heat sink and extends out to the edge of the reflector (s). An interior cavity is at least partially defined by the reflector (s), the lens plates, and the heat sink. One or more light sources (402) disposed along the heat sink mount surface emit light into the interior cavity where it can be mixed and/or shaped before it is emitted.



No. of Pages : 43 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1502/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : FAIL SAFE LOCKING OVERSHOT DEVICE

(51) International classification	:E21B31/18
(31) Priority Document No	:PCT/CA10/001877
(32) Priority Date	:22/11/2010
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2011/001288
Filing Date	:22/11/2011
(87) International Publication No	:WO 2012/068674
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SALVADOR, Patrick
2)LAMBERT, Paul

(57) Abstract :

A fail safe locking overshoot device. The overshoot device is connected to a hoisting line for retrieval of a spearhead. The device provides automatic engagement of a mechanical locking system through locking dogs for locking the lifting dogs after capture of a spearhead. Manual disengagement is required to unlock the lifting dogs and release the spearhead.

No. of Pages : 37 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1503/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : INTERRUPT DISTRIBUTION SCHEME

(51) International classification	:G06F13/24
(31) Priority Document No	:12/962,146
(32) Priority Date	:07/12/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/061197
Filing Date	:17/11/2011
(87) International Publication No	:WO 2012/078334
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DE CESARE, Josh P.

2)WADHAWAN, Ruchi

3)MACHNICKI, Erik P.

4)HAYTER, Mark D.

(57) Abstract :

In one embodiment, an interrupt controller may implement an interrupt distribution scheme for distributing interrupts among multiple processors. The scheme may take into account various processor state in determining which processor should receive a given interrupt. For example, the processor state may include whether or not the processor is in a sleep state whether or not interrupts are enabled, whether or not the processor has responded to previous interrupts, etc. The interrupt controller may implement timeout mechanisms to detect that an interrupt is being delayed (e.g. after being offered to a processor). The interrupt may be re evaluated at the expiration of a timeout, and potentially offered to another processor. The interrupt controller may be configured to automatically, and atomically, mask an interrupt in response to delivering an interrupt vector for the interrupt to a responding processor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1504/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHODS AND COMPOSITIONS FOR MODULATING PD1

(51) International classification :A61K31/00,C07K17/00
(31) Priority Document No :12/927,557
(32) Priority Date :17/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/061201
Filing Date :17/11/2011
(87) International Publication No :WO 2012/068380
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Point Richmond Tech Center, 501
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1)GREGORY, Philip D.

2)HOLMES, Michael C.

3)MENDEL, Matthew C.

4)MENG, Xiangdong

5)PASCHON, David

6)REIK, Andreas

7)URNOV, Fyodor

(57) Abstract :

Disclosed herein are methods and compositions for modulating expression of a PD1 gene.

No. of Pages : 56 No. of Claims : 15

(54) Title of the invention : SECONDARY BATTERY

(51) International classification :H01M10/04,H01M2/02,H01M2/18
 (31) Priority Document No :2010-258365
 (32) Priority Date :18/11/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/072985
 Filing Date :05/10/2011
 (87) International Publication No :WO 2012/066863
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**
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 Address of Applicant :2, Takara-cho, Kanagawa-ku
 Yokohama-shi, Kanagawa 221-0023, JAPAN
 (72)**Name of Inventor :**
1)Miyuki TERADO

(57) Abstract :

The present invention relates to a secondary battery in which a stacked electrode assembly (20) having a cathode, an anode, and a separator (22) is accommodated together with an electrolytic solution in an exterior member (30). There is known a technique for joining the external periphery of the separator together with the seal of the exterior member in the secondary battery in order to prevent shifting in the stacked electrode assembly, but a problem with such a technique is that no measures aimed at maintaining battery performance have been taken to replenish the electrolytic solution in the stacked electrode assembly or to prevent fractures from originating in a bonded part formed in the external periphery of the separator. The present invention solves this problem by providing a secondary battery having a plurality of joined parts (40) in which the external peripheral part of the separator is joined with the exterior member, and also having holding parts (50) for holding the electrolytic solution, the holding parts being formed at least between the joined parts, and the total of the peripheral lengths of the joined parts is greater than the length of the periphery of a rectangle that encompasses all of the joined parts and has the minimum surface area.

No. of Pages : 31 No. of Claims : 3

(54) Title of the invention : A CONDUIT

(51) International classification :A61M16/08,A62B7/04,A62B18/10
 (31) Priority Document No :580859
 (32) Priority Date :29/10/2009
 (33) Name of priority country :New Zealand
 (86) International Application No :PCT/IB2010/054899
 Filing Date :29/10/2010
 (87) International Publication No :WO 2011/051908
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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2)MCCULLOCH, Richard, Anthony

(72)Name of Inventor :

1)KUYPERS, Gilbert, Jacobus**2)MCCULLOCH, Richard, Anthony**

(57) Abstract :

A conduit operative or to be operative between a patient interface and both (a) a tidal volume gas delivery device that can deliver controlled tidal volume gasses to a patient for the purposes of resuscitation and (b) a CPAP device for delivery of CPAP to the patient. The conduit comprises a primary lumen having an inlet operatively connectable with said tidal volume gas delivery device. Also provides is a secondary lumen having an inlet operatively connectable with the CPAP device. A manifold, via respective outlets of the primary and secondary lumens and a manifold outlet, allows fluid communication to be established between a patient interface and both the CPAP device and the tidal volume gas delivery device.

No. of Pages : 31 No. of Claims : 44

(54) Title of the invention : VACUUM ADSORBING DEVICE

(51) International classification :F16B47/00,A47K10/04,A47K10/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/KR2010/008112
Filing Date :16/11/2010
(87) International Publication No :WO 2012/067280
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Gasam-dong, Geumcheon-gu, Seoul 153-802, KOREA

(72)Name of Inventor :

1)WOO, Chul Seok

(57) Abstract :

A vacuum adsorbing device of the present invention comprises: a cover which is rotatably mounted on the upper portion so as to couple to a flat surface by means of vacuum adsorption; an adsorption plate, which is coupled to the lower portion of the cover, for vacuum adsorbing to the flat surface; and a height adjustment member, which is arranged between the cover and the adsorption plate, for moving the adsorption plate back and forth according to the rotation of the cover; wherein a plurality of fixing pieces are formed on the upper surface of the inside of the cover, a plurality of elastic stoppers are coupled to the inside of the height adjustment member, so as to be movable by sliding when each of the fixing pieces is in contact, and for fixing the cover by each of the fixing pieces being hooked to the end portion of the cover so as to prevent reverse rotation. The vacuum adsorbing device of the present invention enhances adsorption force so as to couple the vacuum adsorption device to the flat surface more solidly and for a longer time, enhances assembly between each of the elements for vacuum adsorption, and prevents unlocking due to outside shock by forming a double locking structure in the vacuum adsorption device.

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

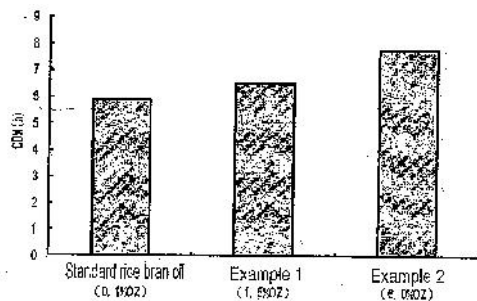
(54) Title of the invention : METHOD FOR PRODUCING OIL OR FAT THAT CONTAINS -ORYZANOL

(51) International classification :A23D9/007,A23K1/16,A23L1/30
 (31) Priority Document No :2010-250918
 (32) Priority Date :09/11/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/075662
 Filing Date :08/11/2011
 (87) International Publication No :WO 2012/063794
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)TSUNO, Takuo
2)YAMANAKA, Takashi
3)SEGOSHI, Hiroaki

(57) Abstract :

This method for producing an oil or fat that contains -oryzanol is characterized by comprising: a step (A) for obtaining a treated oil or fat product having an oil layer and an alkaline oil cake layer containing an -oryzanol salt; and a step (B) for adding an acid to the treated oil and fat product obtained in (A), transferring the -oryzanol from the alkaline oil cake layer to the oil layer, and recovering oil or fat having an increased -oryzanol content. The method makes it possible to produce, at low cost, an oil or fat containing a desired concentration of -oryzanol without any constraint on the -oryzanol concentration of the raw oil or fat material.



No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : REFRIGERATOR

(51) International classification :F25D17/08,F25D25/00,F25B21/02
(31) Priority Document No :10-2011-0013124
(32) Priority Date :15/02/2011
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2012/001029
Filing Date :10/02/2012
(87) International Publication No :WO 2012/111942
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LG ELECTRONICS, INC.
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Seoul 150-721 REPUBLIC OF KOREA
(72)Name of Inventor :
1)SHIN, Jaehoon
2)KIM, Yanggyu
3)PARK, Yongjoo

(57) Abstract :

A refrigerator is provided. In the refrigerator, cool air within the heat exchange chamber is supplied into a drawer assembly disposed inside a storage space, and also the inside of the drawer assembly is cooled using a thermoelectric module to quickly cooling the inside of the drawer assembly. Thus, food storage performance may be improved.

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

(54) Title of the invention : METHOD AND APPARATUS TO PLAY CARDS

(51) International classification	:A63F13/12,G07F17/32	(71)Name of Applicant :
(31) Priority Document No	:PD2010A000376	1)DI BELLA, Antonio
(32) Priority Date	:13/12/2010	Address of Applicant :Via Antonello da Messina, 65, I-95021
(33) Name of priority country	:Italy	Aci Castello (ct) ITALY
(86) International Application No	:PCT/IB2011/055648	(72)Name of Inventor :
Filing Date	:13/12/2011	1)DI BELLA, Antonio
(87) International Publication No	:WO 2012/080954	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for controlling a network (100) of equipment (10a, 10b, 11) for the game of cards. The network includes a server for controlling the game (10b, 11) and at least one piece of playing equipment (10a), the server and the piece of playing equipment being able to communicate data between them, each piece of playing equipment (10a) including display means (20). The method comprises the steps of: identifying a portion (R) of the totality (T) of the playing cards which is able to be displayed on the display means (20), the portion (R) of cards displayed being the same in all the pieces of playing equipment (10a); determining the number of cards assigned (Q) to each player using a piece of playing equipment (10a) in order to play a hand at the game of cards; generating at the side of the server (10b, 11) a vector vetcar having a dimension which is equal to or greater than the total number of cards (T), there being associated with each element vetcar(i) of the vector a card of the totality of cards (T); generating a plurality of elements in a number equal to the portion (R) of cards and subdividing the plurality of elements into a plurality of m subgroups sottogrup, each of those elements in each subgroup being unambiguously identified by at least one alphanumeric character; displaying on the display means (20) in each piece of playing equipment the elements subdivided into the subgroups; selecting in the piece of playing equipment (10a) in a first selection an element from the n forming a subgroup of the plurality and sending to the server (10b) a piece of data representing the alphanumeric character identifying the element or alternatively generating in the server (10b, 11) an alphanumeric character which unambiguously determines an element in one of the subgroups and sending a piece of data representing the alphanumeric character to the piece of playing equipment so as to select an element from a subgroup of the plurality; sending the vector vetcar from the server (10b) to all the pieces of playing equipment (10a) present in the network (100); associating with each element of the subgroups a card of the vector vetcar, the same card is associated with the same element identified by the same alphanumeric character in each piece of playing equipment (10a); the element selected in the first selection being associated with a card which forms part of the cards (Q) in the possession of the player in a hand of the game.

No. of Pages : 62 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1530/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PORTABLE DATA STORAGE MEDIUM WITH CONTROL ERROR COUNTER

(51) International classification :G06F21/00,G07F7/10
(31) Priority Document No :10 2010 054 446.9
(32) Priority Date :14/12/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/006228
Filing Date :09/12/2011
(87) International Publication No :WO 2012/079730
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GIBIS, Oliver

(57) Abstract :

In the case of a method in a portable data storage medium (10) for protection of the data storage medium (10) against external attacks on the data storage medium (10), at least one counter (62; 64) is used in the data storage medium (10). A predetermined command (54; 56) is in this case protected such that it is carried out (TS32) by the data storage medium (10) only when the at least one counter (62; 64) is in a predetermined permissible value range (TS21), in particular when a predetermined minimum value is not being undershot. The at least one counter (62; 64) is then according to the invention operated (TS13), in general decremented, when it is found on the basis of a roll-back buffer store (66) in the data storage medium (10) (TS11) that previous execution of a command has been interfered with.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1532/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRONIC APPLIANCES, DIAGNOSTIC SYSTEM FOR ELECTRONIC APPLIANCES AND DIAGNOSTIC METHOD FOR ELECTRONIC APPLIANCES

(51) International classification :H04L12/16,H04L12/24,G06K9/18
(31) Priority Document No :10-2011-0012876
(32) Priority Date :14/02/2011
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2012/001040
Filing Date :13/02/2012
(87) International Publication No :WO 2012/111945
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LG ELECTRONICS INC.
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(72)**Name of Inventor :**
1)KONG, Hyun Woo

(57) Abstract :

The present invention relates to electronic appliances, a diagnostic system for electronic appliances and a diagnostic method for electronic appliances, and performs diagnosis of electronic appliances rapidly and accurately by reversely extracting product information from a plurality of images which include product information outputted from the electronic appliances.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1609/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE COOLING DEVICE

(51) International classification :F01P7/16,F16K31/68,F16K49/00
(31) Priority Document No :2010-249510
(32) Priority Date :08/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/070713
Filing Date :12/09/2011
(87) International Publication No :WO 2012/063547
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)NAKAJIMA Tadao
2)SUZUKI Toshitaka

(57) Abstract :

[Problem] To obtain a thermostat device with which it is possible to dull the thermosensitivity of a thermo-element thermosensitive component to coolant water and better control the opening and closing of a main valve at a selected timing by means of an electrical heater. [Solution] A thermostat device (1) comprises: a piston (3); a cylinder container (4) which operates forward and reverse with respect to the piston and further comprises a flange valve which opens and closes a main flow path of coolant water; a thermal expansion body (W) which causes the cylinder container to operate forward and reverse upon the piston with a volumetric change commensurate with a temperature change within said cylinder container; and a thermo-element assembly body (10) which is disposed within the piston and further comprises a heat emitting element (H) which applies heat to the thermal expansion body by a supply of electricity. An insulating cover (20) is disposed which is formed to cover the exterior side portion of the cylinder container which faces the coolant water. Additionally, a resinous insulating material (21) and/or an atmosphere layer (22) are selectively disposed on the interior side of the insulating cover between said insulating cover and the exterior side face of the cylinder container.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1610/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYNERGISTIC ACTIVITY OF PERACETIC ACID AND AT LEAST ONE SAR INDUCER FOR THE CONTROL OF PATHOGENS IN AND ONTO GROWING PLANTS

(51) International classification :A01N59/00,A01N25/14,A01N25/30
(31) Priority Document No :61/405,849
(32) Priority Date :22/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/001091
Filing Date :28/09/2011
(87) International Publication No :WO 2012/051699
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)DAGHER, Fadi
2)CASSANDRA, Marco

(57) Abstract :

The invention relates to the field of agriculture. It concerns an unexpected synergistic activity resulting from a combined use of peracetic acid and at least one SAR inducer for the control of pathogens into and on a plant tissue of a growing plant. Also, the invention relates to a water soluble mixture or composition (especially a powdered composition) comprising a peracetic precursor system and at least one SAR inducer, which once admixed with water, allow the control of pathogens in and onto a plant tissue of a growing plant. Also, the invention relates to uses and methods involving said water soluble mixture or composition, and a kit comprising said water soluble mixture or composition.

No. of Pages : 88 No. of Claims : 115

(54) Title of the invention : PNEUMATIC TIRE

(51) International classification :B60C5/14
 (31) Priority Document No :2010-246017
 (32) Priority Date :02/11/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062491
 Filing Date :31/05/2011
 (87) International Publication No :WO 2012/060126
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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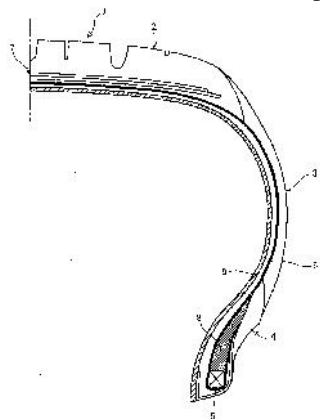
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(72)Name of Inventor :

1)SUGIMOTO, Mutsuki

(57) Abstract :

A pneumatic tire provided with an inner liner on the inner tire side of a carcass ply which extends between a pair of beads, said inner liner comprising a first layer located on the inner tire side and a second layer located in such a manner as to be in contact with a rubber layer of said carcass ply, said first layer being formed of a thermoplastic elastomer composition which comprises, as the main component, a styrene-isobutylene-styrene block copolymer, and said second layer being formed of a styrene-based thermoplastic elastomer composition, wherein: (a) the thermoplastic elastomer composition(s) of said first layer and/or said second layer contain 0.1-100 parts by mass of a tackifier per 100 parts by mass of the thermoplastic elastomer; or (b) said second layer contains 10-80 mass%, relative to the thermoplastic elastomer component, of a styrene- isobutylene-styrene block copolymer.



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

(54) Title of the invention : INHALATOR

(51) International classification :A61M15/00
 (31) Priority Document No :1020638.1
 (32) Priority Date :06/12/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/EP2011/071775
 Filing Date :05/12/2011
 (87) International Publication No :WO 2012/076479
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)ANDRADE, Laura
2)RUIZ, Jose Ramon
3)RONCHI, Celestino
4)CASTELLUCCI, Alessandro

(57) Abstract :

An inhalator for the inhalation of powdered drug preparations from capsules which contain the powdered preparations. The inhalator has a mouthpiece (60) or nosepiece and an assembly (a) comprising: a capsule holder comprising a capsule chamber, the capsule chamber having an air inlet opening and an air outlet opening; a capsule opening device for opening a capsule; a finger-operable actuator. The inhalator further comprises a rigid outer shell comprising a lower shell part (71) hinged to an upper shell part (72) so that the shell is openable and closable, the shell serving to cover and protect the assembly and the mouthpiece or nosepiece. The assembly and the mouthpiece or nosepiece are removable as a hinged unit from the open shell as a hinged unit without dismantling either unit, or the shell is arranged so that the contours of the rim of each shell part match the contours of the rim of the other around each shell part when the shell is in the closed condition, or the assembly is retained in the lower shell part and is not moveable in normal use with respect to the lower shell part.

No. of Pages : 47 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1614/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : HETEROCYCLIC DERIVATES, PREPARATION PROCESSES AND MEDICAL USES THEREOF

(51) International classification :C07D401/10,C07D487/08,A61K31/502
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2010/001942
Filing Date :02/12/2010
(87) International Publication No :WO 2012/071684
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)GAO, Daxin

(57) Abstract :

Disclosed are heterocyclic derivatives, methods for making them, compositions containing the same and uses thereof. Particularly, their pharmaceutical use as inhibitors of PARP is disclosed.

No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1615/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A PLATE HEAT EXCHANGER

(51) International classification	:F28D 9/00
(31) Priority Document No	:1150080.8
(32) Priority Date	:04/02/2011
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2012/050025
Filing Date	:13/01/2012
(87) International Publication No	:WO 2012/105888
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)BADER, ROGER,

(57) Abstract :

A plate heat exchanger comprises a plurality of heat exchanger plates (2) provided beside each other to form a plate package (1) with first plate interspaces (3) for a first medium and second plate interspaces (4) for a second medium. The first and second plate interspaces are provided in an alternating order in the plate package. A number of portholes extend through the plate package and form first inlet and outlet channels (5, 6) arranged to convey the first medium into and out from the first plate interspaces. An insert element (10) is provided in one of the portholes for the first medium. The insert element comprises an annular body (11), an annular flange (12), projecting from the annular body and provided between two of the heat exchanger plates in the plate package.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1616/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE FOR MULTISENSORY STIMULATION

(51) International classification	:A61H1/00
(31) Priority Document No	:MI2010U000367
(32) Priority Date	:09/12/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/068794
Filing Date	:26/10/2011
(87) International Publication No	:WO 2012/076248
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HABICHE, Leila Benedicte

(57) Abstract :

A device (1) for multisensory stimulation, comprising a support (2) which is adapted to support a user in a correct position; a base structure (3) which is adapted to support the support (2); a movement mechanism (4) which is adapted to create a relative motion of the support (2) with respect to the base structure (3); a stimulation apparatus (5) which is connected to the base structure (3) and is adapted to stimulate at least part of the senses of the user; and an electronic card (6) which is adapted to control the movement mechanism (4, 4a) and the stimulation apparatus (5).

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

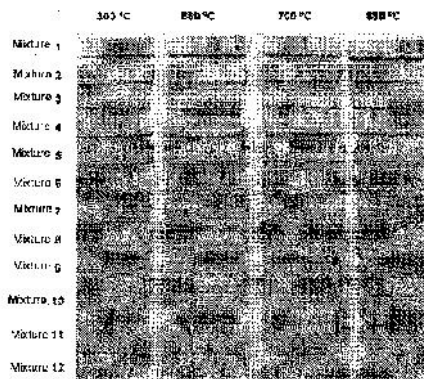
(54) Title of the invention : METHOD FOR PREPARING AN AQUEOUS CLAY PASTE AND USE THEREOF IN THE MANUFACTURE OF CERAMIC MATERIALS

(51) International classification :C04B33/36
 (31) Priority Document No :P201032017
 (32) Priority Date :31/12/2010
 (33) Name of priority country :Spain
 (86) International Application No :PCT/ES2011/070447
 Filing Date :21/06/2011
 (87) International Publication No :WO 2012/089873
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 (72)Name of Inventor :
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3)SREMAC, Sinisa

(57) Abstract :

The invention relates to a method for preparing an aqueous clay paste, characterized in that it includes at least the steps of: preparing a first mixture of clay and phosphoric acid and kneading; and adding hydrated sodium silicate (Na₂O)-(SiO₂)-(H₂O) to said mixture, preferably having a 30% content of SiO₂, also preferably in a phosphoric acid and sodium silicate ratio of at least 1:3 by weight; and kneading the final mixture. Said method includes different variants, depending on the content of water in the clay starter. The invention likewise relates to a method for manufacturing ceramic materials in which the aqueous clay paste is used as a raw material, which are obtainable by the method described herein, as well as to the aqueous clay paste and the ceramic material produced by both methods. The invention additionally relates to the use of the aqueous clay paste for manufacturing ceramic materials.



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

(54) Title of the invention : METHOD AND DEVICE FOR PARALLEL PROCESSING OF IMAGES

(51) International classification :G06T5/00,G06T5/20
 (31) Priority Document No :PA 2010 70557
 (32) Priority Date :17/12/2010
 (33) Name of priority country :Denmark
 (86) International Application No :PCT/DK2011/050486
 Filing Date :15/12/2011
 (87) International Publication No :WO 2012/079587
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)CHEHAIBER, Moatasem

(57) Abstract :

The present invention relates to the parallel calculation of convoluted data. In particular, the invention relates to Gaussian pyramid construction and parallel processing of image data, such as parallel calculation of repeatedly convoluted data for use in a SIFT algorithm. This is achieved by providing a method for obtaining a plurality of difference images from an original image defined by a plurality of pixels, said method comprising: Providing a plurality of blurring convolution functions, each of said blurring functions providing increasing degree of blurring of an original image upon convolution of said original image; establishing a plurality of difference convolution functions, Dif, by calculating the difference between two of said blurring convolution functions, each of said two blurring convolution functions providing different degrees of blurring of an original image upon convolution of said original image; and calculating a plurality of difference images from said original image, by convolving each of said difference convolution functions, Dif, with said original image to obtain difference images.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1623/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : FOAMABLE FLAME RETARDANT RESIN COMPOSITION, AND FLAME RETARDANT RESIN FOAM USING SAME AND PRODUCTION METHOD THEREFOR

(51) International classification :C08J9/04,B29C45/00,C08L23/08

(31) Priority Document No :2010-274024

(32) Priority Date :08/12/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/065104

Filing Date :30/06/2011

(87) International Publication No :WO 2012/077375

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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2)MATSUO Daitoku

(57) Abstract :

Provided are a foamable flame retardant resin composition suitable for obtaining a resin foam that is lightweight and excellent in flame retardancy and a flame retardant resin foam using the same. The present invention provides a foamable flame retardant resin composition characterized by containing: 100 parts by weight of propylene based resin with a weight average molecular weight of 100 000 to 900 000; 2 to 15 parts by weight of ethylene 1 butene copolymer with a viscosity average molecular weight of 2 900 to 30 000; and a foaming agent. A flame retardant resin foam formed by using this foamable flame retardant resin composition is imparted with excellent flame retardancy by using an ethylene 1 butene copolymer and the excellent flame retardancy can be maintained even though the thickness of the flame retardant resin foam is reduced for the lightness.

No. of Pages : 37 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1624/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : GLYCINE DERIVATIVES AND THEIR USE AS MUSCARINIC RECEPTOR ANTAGONISTS

(51) International classification :C07D207/12,C07D451/10,C07D453/02
(31) Priority Document No :10192713.5
(32) Priority Date :26/11/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/068894
Filing Date :27/10/2011
(87) International Publication No :WO 2012/069275
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RICCABONI, Mauro
3)FARINA, Marco

(57) Abstract :

The present invention relates to alkaloid aminoester derivatives acting as muscarinic receptor antagonists, processes for their preparation, compositions comprising them and therapeutic uses thereof.

No. of Pages : 130 No. of Claims : 14

(54) Title of the invention : CATHETER APPARATUSES HAVING MULTI-ELECTRODE ARRAYS FOR RENAL NEUROMODULATION AND ASSOCIATED SYSTEMS AND METHODS

<p>(51) International classification :A61B18/14 (31) Priority Document No :61/406,531 (32) Priority Date :25/10/2010 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/057761 Filing Date :25/10/2011 (87) International Publication No :WO 2012/061164 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)MEDTRONIC ARDIAN LUXEMBOURG S.a.r.l. Address of Applicant :102 rue des Maraichers Luxembourg L2124 Luxembourg (72)Name of Inventor : 1)MAUCH, Kevin 2)ALVARADO, Mario 3)BEETEL, Robert, J. 4)COLE, Juanita, Sanchez 5)CHANG, William 6)GOSHGARIAN, Justin 7)RIVERA, Leonila 8)SHIN, Sukyoung 9)SILVER, Michele 10)SOM, Sina 11)WU, Andrew 12)ZARINS, Denise 13)ABOYTES, Maria, G.</p>
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(57) Abstract :

Catheter apparatuses, systems, and methods for achieving renal neuromodulation by intravascular access are disclosed herein. One aspect of the present technology, for example, is directed to a treatment device having a multi-electrode array configured to be delivered to a renal blood vessel. The array is selectively transformable between a delivery or low profile state (e.g., a generally straight shape) and a deployed state (e.g., a radially expanded generally helical shape). The multi electrode array is sized and shaped so that the electrodes or energy delivery elements contact an interior wall of the renal blood vessel when the array is in the deployed (e.g., helical) state. The electrodes or energy delivery elements are configured for direct and/or indirect application of thermal and/or electrical energy to heat or otherwise electrically modulate neural fibers that contribute to renal function or of vascular structures that feed or perfused the neural fibers.

No. of Pages : 185 No. of Claims : 37

(54) Title of the invention : IMMUNE REGULATORY OLIGONUCLEOTIDE (IRO) COMPOUNDS TO MODULATE TOLL-LIKE RECEPTOR BASED IMMUNE RESPONSE

(51) International classification :A61K39/395,C07H21/02,A61K31/7115
 (31) Priority Document No :61/415,494
 (32) Priority Date :19/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/061412
 Filing Date :18/11/2011
 (87) International Publication No :WO 2012/068470
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)WANG, Daqing
3)NOWAK, Ireneusz
4)AGRAWAL, Sudhir

(57) Abstract :

The invention provides novel immune regulatory oligonucleotides (IRO) as antagonist of TLRs and methods of use thereof. These IROs have unique sequences that inhibit or suppress TLR mediated signaling in response to a TLR ligand or TLR agonist. The methods may have use in the prevention and treatment of cancer,an autoimmune disorder, airway inflammation, inflammatory disorders, infectious disease, skin disorders allergy, asthma or a disease caused by a pathogen.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1628/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HYDROGENATION OF ESTERS OR CARBONYL GROUPS WITH TETRADENTATE AMINO/IMINO-THIOETHER BASED RUTHENIUM COMPLEXES

(51) International classification :C07C29/141,C07C29/145,C07C31/125
(31) Priority Document No :10196140.7
(32) Priority Date :21/12/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/073223
Filing Date :19/12/2011
(87) International Publication No :WO 2012/084810
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SAUDAN, Lionel
3)SAUDAN L,Christophe(deceased)

(57) Abstract :

The present invention relates to the field of catalytic hydrogenation and, more particularly, to the use of specific ruthenium catalysts, or pre-catalysts, in hydrogenation processes for the reduction of ketones and/or aldehydes into the corresponding alcohol respectively. Said catalysts are ruthenium complexes comprising a tetradentate ligand (L4) coordinating the ruthenium with:- two nitrogen atoms, each in the form of a primary or secondary amine (i.e. a NH or NH group) or N alkyl imine functional groups (i.e. a C=N group), and - two sulfur atoms, each in the form of thioether functional groups.

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

(54) Title of the invention : METHOD FOR MANUFACTURING DOOR HINGE FOR AUTOMOBILE

(51) International classification :B21K13/02,B21D53/40,B21D53/88
 (31) Priority Document No :2010-281433
 (32) Priority Date :17/12/2010
 (33) Name of priority country:Japan
 (86) International Application No :PCT/JP2011/078240
 Filing Date :07/12/2011
 (87) International Publication No :WO 2012/081454
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)OGAWA Hiroshi**2)OGAWA Kazuya****3)YOKOYAMA Michihiro**

(57) Abstract :

The present invention enables a high strength door hinge for an automobile to be manufactured at low cost from a steel round bar by hot forging, punching etc. A method for manufacturing a door hinge for an automobile manufactures the door hinge by forming, by hot forging a steel round bar, a forged product (33a) provided with a mounting section, an arm section, and a column shaped section (7a) which has a circular horizontal cross section, and by forming a shaft hole (6), in which a hinge pin is inserted so as to penetrate through the axis of the column shaped section (7a), in the column shaped section (7a) by means of punching using a specialized die (52a) and a punch (51). The die (52a) is provided with a gap which is formed so that, in forming the shaft hole (6), when the punch (51) is moved from the start position of punching by a predetermined distance, the punch (51) forms a hole while causing the column shaped section (7a) to swell outward without producing punch debris, and when the punch (51) is moved to the end position of punching from the position at the predetermined distance from the start position of punching, the punch (51) forms a hole while producing punch debris which is discharged through the gap. The method enables the shaft hole (6) to have a height which is two or more times as large as the diameter of the punched hole, and as a result the door hinge for an automobile has sufficient strength and can be manufactured at low cost.

No. of Pages : 154 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1630/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINATION OF SYSTEM PARAMETERS FOR REDUCING CRUDE UNIT CORROSION

(51) International classification :G01N21/75,G01N33/22
(31) Priority Document No :13/095,042
(32) Priority Date :27/04/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/035075
Filing Date :26/04/2012
(87) International Publication No :WO 2012/149076
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BANKS, Rodney H.
2)CIOTA, Steven R.
3)WELZ Sascha

(57) Abstract :

The invention provides a method and apparatus for determining the amount of various materials in a liquid sample. Because the apparatus is particularly resilient It can be used repeatedly with very harsh liquid samples such as boot water from an oil refinery. The apparatus uses at least one volume and/or concentration independent optical analysis method to determine at least one of: the pH, amount of chloride and/or amount of iron in the sample. The optical property can be colorimetric, fluorescent or both and result from adding dyes, complexing agents, turbidity inducing compounds, and other optically effecting reagents to the sample. Because the measurements are concentration and volume independent they can be done continuously, quickly, and avoid the inconvenient start and stop procedures in prior art measurement regimens. The method further includes using a BDD cell to oxidize materials (such as sulfoxo compounds) that would otherwise interfere with the optical analysis and/or to sparge the sample with gas.

No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1631/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINATION OF SYSTEM PARAMETERS FOR REDUCING CRUDE UNIT CORROSION

(51) International classification :G01N21/75,G01N21/31
(31) Priority Document No :12/957,854
(32) Priority Date :01/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/062529
Filing Date :30/11/2011
(87) International Publication No :WO 2012/075076
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BANKS, Rodney H.
2)CIOTA, Steven R.
3)WELZ, Sascha

(57) Abstract :

The invention provides a method and apparatus for determining the amount of various materials in a liquid sample. Because the apparatus is particularly resilient it can be used repeatedly with very harsh liquid samples such as boot water from an oil refinery. The apparatus uses at least one volume and/or concentration independent optical analysis method to determine at least one of: the pH, amount of chloride and/or amount of iron in the sample. The optical property can be colorimetric, fluorescent or both and result from adding dyes, complexing agents, turbidity inducing compounds, and other optically effecting reagents to the sample. Because the measurements are concentration and volume independent they can be done continuously, quickly, and avoid the inconvenient start and stop procedures in prior art measurement regimens. The method further includes using a BDD cell to oxidize materials (such as sulfoxo compounds) that would otherwise interfere with the optical analysis and/or to sparge the sample with gas.

No. of Pages : 44 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1632/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ERGONOMIC HANDPIECE FOR LAPAROSCOPIC AND OPEN SURGERY

(51) International classification :A61B17/29

(31) Priority Document No :1017968.7

(32) Priority Date :23/10/2010

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

(86) International Application No :PCT/GB2011/001526

Filing Date :24/10/2011

(87) International Publication No :WO 2012/052729

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)LEAVER, Christopher John

3)WRIGHT, Nicholas Charles

4)MANLEY, Peter James

(57) Abstract :

A surgical tool having an elongate shaft (3) with a directional operative element (3e) at its distal end, is provided with a mechanism (88) to rotate the shaft,(3) and the operative element (3e) about a longitudinal axis of the shaft (3). This allows the operative element (3e) to be aligned with an element of tissue without excessive hand movement by a user. In a preferred version, the mechanism (88) is electrically powered and is regulated to produce smooth, controlled, accurate motion between selected rotational positions. The mechanism (88) may include a linear magnetic motor drive (65,85) to move a drive element (63,83) longitudinally along the tool. This drive element (63,83) is engaged with a helical formation (67, 87) on a drive shaft (60,80) such that longitudinal motion of the drive element (63,83) is converted to rotational motion of the drive shaft (60,80) and of the shaft (3) and operative element (3e) to which the drive shaft (60,80) is mounted.

No. of Pages : 54 No. of Claims : 27

(54) Title of the invention : IMPROVED CONNECTING METHOD

(51) International classification :B65D45/16,F16B3/00,F16B7/04
 (31) Priority Document No :2010905008
 (32) Priority Date :11/11/2010
 (33) Name of priority country :Australia
 (86) International Application No :PCT/AU2011/001463
 Filing Date :11/11/2011
 (87) International Publication No:WO 2012/061900
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)JOINLOCK PTY LTD

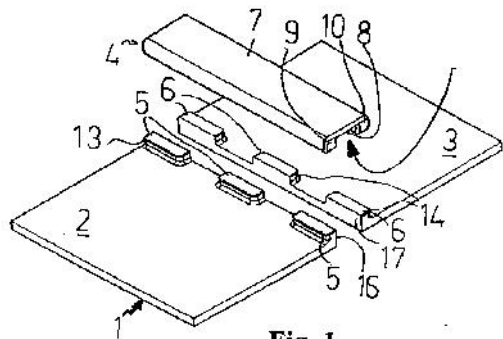
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(72)Name of Inventor :

1)PETTIGREW John Hamish Alexander**2)PERCY Thomas David**

(57) Abstract :

A method for connecting at least a first component (2) and a second component (3) together, wherein each component (2, 3) comprises at least one key arrangement extending along the component (2, 3) and keys (5, 6) of the key arrangement are spaced apart from one another. The method comprises the steps of: aligning the key arrangements of the first and second components (2, 3) such that aligned keys (5, 6) of the key arrangements extend generally in line with a common axis (15) or ensuring alignment of the key arrangements of the first and second components (2, 3) such that aligned keys (5, 6) of the key arrangements extend generally in line with a common axis (15); and extending a key connector (4) comprising at least one longitudinal keyway passage (8) over the aligned keys (5, 6) generally in line with the common axis (15) so that the keys (5, 6) extend within the keyway passage (8), are retained by the key connector (4), and the first and second components (2, 3) are clamped together to form an assembly (1).



No. of Pages : 51 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1450/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : VARIABLE PHASE SHIFTER-ATTENUATOR

(51) International classification :H01P1/18,H01P1/22
(31) Priority Document No :12/942,496
(32) Priority Date :09/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/055197
Filing Date :07/10/2011
(87) International Publication No :WO 2012/064438
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MORTON, Matthew, A.

2)COMEAU, Jonathan, P.

3)THOENES, Edward, W.

(57) Abstract :

A phase shifter-attenuator system having: a controller for producing a digital word representative of a predetermined phase shift and attenuation provided to an input signal; and a phase shifter-attenuation section including a phase rotator for providing one of a plurality combinations of phase shifts-attenuation states to the input signal selectively in accordance with one portion of the produced digital word; and an attenuation section for distributing the plurality of combinations of phase shift- attenuation states over a selected range of attenuations, such range being selected in accordance with a second portion of the produced digital word.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1451/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : VERTICAL MOTION ADJUSTER FOR THERMOTHERAPY DEVICE

(51) International classification :A61H15/02,A61H39/06,A47C21/04
(31) Priority Document No :10-2010-0110787
(32) Priority Date :09/11/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/008519
Filing Date :09/11/2011
(87) International Publication No :WO 2012/064107
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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REPUBLIC OF KOREA
(72)Name of Inventor :
1)PARK, Ji Hoon

(57) Abstract :

The present invention relates to a vertical motion adjuster for a thermotherapy device, which performs both an acupressure-type pressing motion and an acupressure type pushing motion. A vertical motion adjuster for a thermotherapy device according to the present invention includes: a transfer part including a moving member to move along a mat; a support part having a side portion hinged to the transfer part; and a vertical moving part disposed between the transfer part and the support part to vertically move another side portion of the support part along an arc. Thus, according to the present invention, a moxibustion device moves upward along an arc to perform both an acupressure-type pressing motion and an acupressure-type pushing motion, thereby improving acupressure effects and thermotherapy effects.

No. of Pages : 52 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1452/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : MOBILE COMMUNICATIONS METHOD, WIRELESS ACCESS NETWORK DEVICE, AND MOBILE MANAGEMENT NODE

(51) International classification :H04W36/14,H04W36/28,H04W48/18
(31) Priority Document No :2010-247945
(32) Priority Date :04/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/074961
Filing Date :28/10/2011
(87) International Publication No :WO 2012/060297
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NTT DOCOMO, INC.
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(72)Name of Inventor :
1)NISHIDA, Katsutoshi
2)AOYAGI, Kenichiro
3)ISHII, Minami
4)TAKAHASHI, Hideaki

(57) Abstract :

The present invention provides a handover method comprising: a step (A) wherein an MME sends a Reloc/HO Req including a PS/CS HO Indication to an RNC/BSS via an MSC; a step (B) wherein the MME sends the Reloc/HO Req including the PS/CS HO Indication to the RNC/BSS via an SGSN; and a step (C) wherein the RNC/BSS sends a PS to CS Resp and a Forward Reloc Resp to the MME after receiving both a Reloc/HO Req (for CS bearer) and a Reloc/HO Req (for PS bearer).

No. of Pages : 56 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1453/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ANTIGEN BINDING PROTEINS TO ONCOSTATIN M (OSM)

(51) International classification :C07K16/24

(31) Priority Document No :61/416,495

(32) Priority Date :23/11/2010

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

(86) International Application No :PCT/EP2011/070604

Filing Date :21/11/2011

(87) International Publication No :WO 2012/069433

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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1)BEMBRIDGE, Gary Peter

2)CHUNG, Chun-wa

3)FEENEY, Maria

4)FORD, Susannah Karen

5)KIRBY, Ian

6)MCADAM, Ruth

(57) Abstract :

The present invention concerns antigen binding proteins and fragments thereof which specifically bind Oncostatin M (OSM), particularly human OSM (hOSM) and which inhibit the binding of OSM to the gp130 receptor but does not directly interact with site II residues. The invention also concerns a method of humanising antibodies. Further disclosed are pharmaceutical compositions, screening and medical treatment methods.

No. of Pages : 106 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1634/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CLOSURE PLATE, AND A SLIDING CLOSURE ON THE SPOUT OF A CONTAINER CONTAINING MOLTEN METAL

(51) International classification :B22D41/28,B22D41/34
(31) Priority Document No :11000737.4
(32) Priority Date :31/01/2011
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2012/000306
Filing Date :24/01/2012
(87) International Publication No :WO 2012/104028
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)STOPINC AKTIENGESELLSCHAFT

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(72)Name of Inventor :

1)STEINER, Benno

2)EHRENGRUBER, Reinhard

(57) Abstract :

The invention relates to a closure plate for a sliding closure on the spout of a container containing molten metal. Two outer longitudinal faces, a flow opening (21) arranged on a central longitudinal axis (A) of the closure plate (20) and a closing surface (S) extending from said opening are provided. At least two shoulder surfaces (20a, 20b) which are used as clamping surfaces or as centering surfaces of the closure plate (20) are formed on each of the two outer longitudinal faces. The shoulder surfaces have an angle (,) with respect to the longitudinal axis (A), said angle forming a tapered section of the plate. Outer faces (20c; 30c) that adjoin the closing surface (S) side are provided at least next to the shoulder surfaces (20a) each said outer face having a smaller angle () with respect to the longitudinal axis (A) than the angle of the shoulder surfaces (20a).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1557/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : COPPER/CHABAZITE-BASED CATALYST WITH IMPROVED CATALYTIC ACTIVITY FOR REDUCTION OF NITROGEN OXIDES

(51) International classification :B01J29/85,B01J23/72,B01D53/94

(31) Priority Document No :10015703.1

(32) Priority Date :16/12/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/072736

Filing Date :14/12/2011

(87) International Publication No :WO 2012/080318

(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 :

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1)SEYLER, Michael

2)SOEGER, Nicola

3)ADELMANN, Katja

4)PAULY, Thomas R.

5)JESKE, Gerald

(57) Abstract :

The present invention relates to a process for improving the catalytic activity of a copper- promoted zeolitic catalyst with chabazite structure to a copper promoted zeolitic catalyst with chabazite structure and to a process for reducing nitrogen oxides in an offgas stream.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1641/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : NOVEL CURING AGENTS FOR EPOXY RESINS

(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	:C08G59/44,C08G59/46 :10 2011 012 079.3 :23/02/2011 :Germany :PCT/EP2012/053092 :23/02/2012 :WO 2012/113879 :NA :NA :NA :NA	(71) Name of Applicant : 1)ALZCHEM AG Address of Applicant :Dr.-Albert-Frank-Strasse 32, 83308 Trostberg, GERMANY (72) Name of Inventor : 1)STROBEL, Sylvia 2)EBNER, Martin 3)KRIMMER, Hans-Peter 4)HUBER, Michaela
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(57) Abstract :

The invention relates to novel mixtures that contain cyanamide and a urea derivative, to liquid curing agents for curing polymer resins, especially epoxy resins, and to epoxy resin compositions comprising liquid curing agents for the production of fiber composite materials.

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

(54) Title of the invention : LINEARLY CONCENTRATING SOLAR COLLECTOR AND METHOD FOR REFLECTOR TRACKING IN SUCH A SOLAR COLLECTOR

(51) International classification :F24J2/07,F24J2/10,F24J2/16
 (31) Priority Document No :10188790.9
 (32) Priority Date :26/10/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/005396
 Filing Date :26/10/2011
 (87) International Publication No :WO 2012/055548
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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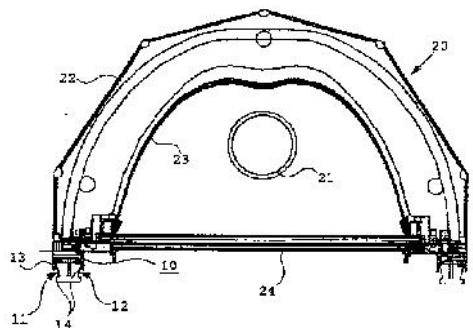
(72)Name of Inventor :

1)SELIG, Martin

2)MERTINS, Max

(57) Abstract :

The basis for the function of a linearly concentrating solar collector lies, in simple terms, in the fact that reflectors reflect incident sunlight onto a receiver tube through which a heat-absorbing medium flows. Owing to the rotation of the Earth, the reflectors need to be adjusted regularly, however, in order to ensure that the sunlight hits the receiver tube. Known tracking methods use calculated positions of the sun for this purpose, which, in the case of structural deviations, for example as a result of expansion and material stress, results in inaccuracies and losses in efficiency. The invention is intended to improve the tracking of the reflectors in such a linearly concentrating solar collector. This is achieved by virtue of the fact that the radiation intensity in the region on both sides next to the receiver tube is measured and, by means of regulation, in the case of uneven emission on both sides of the receiver tube, the reflectors are tracked to such an extent that the radiation intensity on both sides of the receiver is the same and thus the maximum of the radiation intensity is on the receiver tube.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1643/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : AQUEOUS BASED EPOXY GROUT

(51) International classification :C08L63/00,C08G59/18,C08G59/54
(31) Priority Document No :MI2011A000104
(32) Priority Date :28/01/2011
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2012/050364
Filing Date :26/01/2012
(87) International Publication No :WO 2012/101594
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)SGHEDONI, Gianluca

(57) Abstract :

An aqueous based epoxy grout which comprises: at least one epoxy resin; at least one polyamine compound; at least one mineral filler; and at least one non-ionic surfactant having at least one polyoxyethylene chain. The presence of at least one non ionic surfactant having at least one polyoxyethylene chain allows to increase the grout's affinity for the water, thereby making the process of sponging off of the grout after its application much easier, so to ensuring the removal of the grout in excess while maintaining at the same time a continuous, defect-free finish, without causing the formation of air holes inside the joints.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1644/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DYE ADSORPTION DEVICE, DYE ADSORPTION METHOD, AND SUBSTRATE TREATMENT APPARATUS

(51) International classification	:H01M14/00,H01L31/04
(31) Priority Document No	:2010-262136
(32) Priority Date	:25/11/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/005707
Filing Date	:12/10/2011
(87) International Publication No	:WO 2012/070181
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)WADA, Norio
2)TERADA, Takashi
3)FUKUDA, Yoshiteru
4)FURUTANI, Goro

(57) Abstract :

[Problem] To significantly reduce processing time of a step of adsorbing dye in a porous semiconductor layer on a substrate surface.
[Solution] A flow of a dye solution is formed in a gap between solution guide surfaces (92L, 92R) of a nozzle (20) and a substrate (G) during treatment, and a porous semiconductor layer of a treated surface of the substrate is subject to dye adsorption treatment in this flow of the dye solution. Furthermore, impact pressure from slit like discharge openings (88L, 88R) and pressure of turbulent flow in groove like uneven sections (94L, 94R) act in the vertical direction in addition to the flow of the dye solution. Thus aggregation and association of the dye are hardly caused on a surface part of the porous semiconductor layer of the treated surface of the substrate, the dye efficiently penetrates deeply into the porous semiconductor layer and the dye adsorption into the porous semiconductor layer proceeds at high speed.

No. of Pages : 60 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1469/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PRODUCTION OF POLYCRYSTALLINE SILICON IN SUBSTANTIALLY CLOSED-LOOP PROCESSES THAT INVOLVE DISPROPORTIONATION OPERATIONS

(51) International classification :B01D3/00,B01J8/18,B01J19/18
(31) Priority Document No :61/425,069
(32) Priority Date :20/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065399
Filing Date :16/12/2011
(87) International Publication No :WO 2012/087795
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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2)HUANG, Yue
3)BHUSARAPU, Satish

(57) Abstract :

Production of polycrystalline silicon in substantially closed-loop processes and systems is disclosed. The processes and systems generally involve disproportionation of trichlorosilane to produce silane or dichlorosilane and thermal decomposition of silane or dichlorosilane to produce polycrystalline silicon.

No. of Pages : 30 No. of Claims : 25

(54) Title of the invention : METHODS AND SYSTEMS FOR TRANSCRIBING OR TRANSLITERATING TO AN ICONOPHONOLOGICAL ORTHOGRAPHY

(51) International classification :G06F17/20,G06F17/27
 (31) Priority Document No :61/410,273
 (32) Priority Date :04/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/059128
 Filing Date :03/11/2011
 (87) International Publication No :WO 2012/061588
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)SUZUKI, Edson, Massamiti

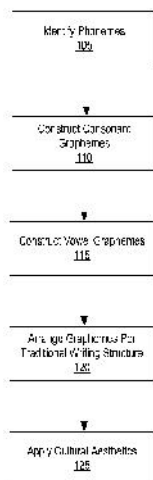
2)HAMILTON, David, Joel

3)SUZUKI, Marcia, Dos Santos

(57) Abstract :

Described are methods of developing an iconographical, phonological orthography for any spoken language. Such iconophonological orthographies can be applied to languages for which no written form exists, or can be used to supplement or replace extant writing systems. The iconicity of the orthographies represents features of the vocal tract, which limits the number of icons to easily learned sets. This simplification, and the phonological correspondence between the icons and spoken language, makes the orthographies easy to learn. The orthographies can use letters that represent the linguistic characteristics of the spoken language. By incorporation of cultural aesthetics some embodiments bring a sense of ethnic belonging and thus create an immediate emotional bond with the orthography.

13



No. of Pages : 68 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1558/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : THERMOCHEMICAL SYSTEM HAVING A HOUSING MADE OF A COMPOSITE MATERIAL

(51) International classification :F25B35/04

(31) Priority Document No :1004120

(32) Priority Date :20/10/2010

(33) Name of priority country :France

(86) International Application No :PCT/FR2011/000564

Filing Date :20/10/2011

(87) International Publication No :WO 2012/052633

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

1)RIGAUD, Laurent

2)KINDBEITER, Francis

3)DUTRUY, Laurent

(57) Abstract :

The present invention relates to a thermochemical system comprising a reactor (1), or an enclosure for storing a solid reactive material capable of absorbing a gas, the reactive material (2) and the gas being such that, when placed together, a chemical reaction occurs which results in the gas being absorbed by the reactive material (2), and a reverse chemical reaction occurs, wherein the gas absorbed by the reactive material is desorbed when heating means (19) are applied to said reactive material when the latter has absorbed the gas. Said thermochemical system is characterized in that the reactor (1) consists of an outer housing (9) which is made of a composite material and which contains a sealed inner housing (8) containing the reactive material, the heating means (19) being arranged between the two enclosures (8,9).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1559/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONTROL SYSTEM FOR A GRASPING DEVICE

(51) International classification :A61F2/58,A61F2/72,A61F2/70
(31) Priority Document No :61/416,078
(32) Priority Date :22/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/061698
Filing Date :21/11/2011
(87) International Publication No :WO 2012/071343
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)DALLEY, Skyler, A.

2)VAROL, Huseyin Atakan

3)GOLDFARB, Michael

(57) Abstract :

A method for operating a grasping device and grasping devices therefrom are provided. The grasping device is configured to use a plurality of parallel, bi-directional state flow maps each defining a sequence of poses for a plurality of joints in the grasping device. The method include receiving at least one control signal, determining a current pose of the grasping device within the one of the plurality of state flow maps currently selected for the grasping device, and selectively actuating the plurality of joints to traverse the sequence of poses, where a direction for traversing the sequence of poses is based on the at least one control signal.

No. of Pages : 36 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1646/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : OPLOPHORUS-DERIVED LUCIFERASES, NOVEL COELENTERAZINE SUBSTRATES, AND METHODS OF USE

(51) International classification :C07K14/435
(31) Priority Document No :61/409422
(32) Priority Date :02/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/059018
Filing Date :02/11/2011
(87) International Publication No :WO 2012/061530
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ENCELL, Lance, P.
3)HALL, Mary
4)ROBERS, Matthew, B.
5)SLATER, Michael, R.
6)WOOD, Keith, V.
7)WOOD, Monika, G.

(57) Abstract :

An isolated polynucleotide encoding a modified luciferase polypeptide and substrates. The OgLuc variant polypeptide has at least 60% amino acid sequence identity to SEQ ID NO: 1 and at least one amino acid substitution at a position corresponding to an amino acid in SEQ ID NO: 1. The OgLuc variant polypeptide has at least one of enhanced luminescence, enhanced signal stability, and enhanced protein stability relative to the corresponding polypeptide of the wild-type Oplophorus luciferase.

No. of Pages : 402 No. of Claims : 131

(54) Title of the invention : DESCALING NOZZLE FOR REMOVING SCALE FROM STEEL SHEET, DESCALING APPARATUS FOR REMOVING SCALE FROM STEEL SHEET, AND DESCALING METHOD FOR REMOVING SCALE FROM STEEL SHEET

(51) International classification	:B21B45/08,B05B1/02	(71)Name of Applicant :
(31) Priority Document No	:2010-278435	1)JFE STEEL CORPORATION,
(32) Priority Date	:14/12/2010	Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-
(33) Name of priority country	:Japan	ku, Tokyo 100-0011 JAPAN
(86) International Application No	:PCT/JP2011/079271	(72)Name of Inventor :
Filing Date	:13/12/2011	1)KARUBE Kenta
(87) International Publication No	:WO 2012/081716	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a nozzle for removing a scale of a steel plate, which is capable of effectively removing the scale. A nozzle for scale removal (1) has a discharge section on a nozzle end, the discharge section having: a tapered section (16) provided continuously to a large diameter section forming a cylindrical flow path; a first orifice (20) formed on an exit side of the tapered section; a resonant chamber (19) provided continuously to an exit side of the first orifice and having the radial size which is larger than the major axis of the first orifice (20); and a second orifice (15) formed on an exit side of the resonant chamber (19).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1654/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE AND METHOD FOR MEASURING TEMPERATURE USING INFRARED ARRAY SENSORS

(51) International classification	:G01J5/60,G01J5/02
(31) Priority Document No	:PCT/KR2010/008119
(32) Priority Date	:17/11/2010
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2011/008751
Filing Date	:16/11/2011
(87) International Publication No	:WO 2012/067422
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)SHIN, Jae-Woo

(57) Abstract :

Disclosed are a device and a method for measuring temperature using infrared array sensors. The present device can comprise: an infrared array sensor module including a plurality of infrared sensors, which are arranged in an array further comprising a plurality of pixels, for acquiring information on a thermal picture of a subject; an OSD generation module having a profile, which corresponds to the entire or local shape of the subject, for generating an indicator which defines the target area of which the temperature is to be measured; a display module for displaying the indicator and the information on the thermal picture; and a controller for controlling the infrared array sensor module to measure the temperature of the subject, if the target area of the subject, which is displayed by means of the information on the thermal picture, overlaps with the indicator while the information on the thermal picture and the indicator is displayed on the display module.

No. of Pages : 43 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1655/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : PORTABLE DEVICE FOR MEASURING TEMPERATURE USING INFRARED ARRAY SENSOR

(51) International classification :G01J5/60,G01J5/02
(31) Priority Document No :PCT/KR2010/008119
(32) Priority Date :17/11/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/008753
Filing Date :16/11/2011
(87) International Publication No :WO 2012/067423
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SHIN, Jae-Woo

(57) Abstract :

Disclosed are a device and method for measuring temperature using infrared array sensors. The present device relates to the device for measuring temperature using the infrared array sensor and comprises: an infrared array sensor module including a plurality of infrared sensors which are arranged in an array comprising a plurality of pixels, for measuring temperature in pixel units; a controller for controlling the infrared array sensor module and outputting the final measured temperature of a subject, based on the temperature value that is measured by each of the plurality of infrared sensors; a display for displaying the final measured temperature of the subject which is output by the controller; and a view finder having a profile which corresponds to the entire or local shape of the subject and is formed with an indicator for defining a target area, wherein the view finder comprises a plate made from a transparent material onto which the shape of the subject is projected for displaying the indicator, and a notch portion for displaying the indicator and at least a lens portion which is provided inside the indicator are formed on the plate.

No. of Pages : 44 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1656/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : PORTABLE CHAMBER FOR HYPERBARIC AND/OR HYPOXIC TREATMENT

(51) International classification :A61G10/02

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CA2010/001697

Filing Date :27/10/2010

(87) International Publication No :WO 2012/055003

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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2)LANGLOIS, Richard

3)GAUMOND, Claude

(57) Abstract :

A portable chamber for hyperbaric and/or hypoxic treatment comprises an open-ended and typically frustro-conical tubular body sized to accommodate at least one occupant, and two end members configured to be respectively received at opposite extremities of the body for closing the body in a seal tight arrangement. The body of the chamber is made of a flexible yet reinforced elastomeric material such as to be collapsible during transport. One of the end members is provided with a door to provide access to the interior of the chamber. The extremities of the body are substantially spherical such as to receive the correspondingly substantially periphery of the end members. When the chamber is supplied with gases during hyperbaric or hypoxic treatment, the spherical peripheries of the end members are urged against the spherical extremities of the body, thereby providing a seal tight chamber. A treatment system comprising the chamber is also disclosed.

No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1659/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : RADIO NETWORK NODE DISCOVERY OF OPERATIONS NODE

(51) International classification	:H04L29/12,H04W8/24	(71)Name of Applicant :
(31) Priority Document No	:61/409, 751	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:03/11/2010	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/SE2011/051051	1)GUNNARSSON, Fredrik
Filing Date	:01/09/2011	2)ENGSTRÖM, Stefan
(87) International Publication No	:WO 2012/060763	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A domain name associated with a radio network node's operator or maintenance (OM) node is determined based on at least part of a radio node identifier and a radio network operator identifier. The radio network node sends the domain name to a domain name server. In response to sending the constructed domain name, the radio network node receives from the domain server an IP address for the OM node. The radio network node then initiates a connection with the OM node using the IP address. In one non-limiting example embodiment, the part of the radio node identifier is a radio network node vendor identifier.

No. of Pages : 33 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1660/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : FLEXIBLE SACCH TRANSMISSION FOR VAMOS

(51) International classification :H04L5/00,H04L5/12,H04W72/04

(31) Priority Document No :61/410,571

(32) Priority Date :05/11/2010

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

(86) International Application No :PCT/SE2011/050934

Filing Date :08/07/2011

(87) International Publication No :WO 2012/060762

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

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(72)Name of Inventor :

1)LIBERG, Olof

2)SUNDBERG, Mårten

3)WAHLQVIST, Karin

(57) Abstract :

In a method for transmitting information from a radio base station node to a first mobile station and a second mobile station paired on and sharing a same carrier frequency, TDMA frame and time slot in a wireless communication system, wherein said first and second mobile stations are allocated on a first and second VAMOS sub-channel respectively, transmitting (S10) a GMSK modulated SACCH burst of a SACCH block in a predetermined time slot and TDMA frame on one of said first and second VAMOS sub-channel; and simultaneously muting (S20) the other of said first and said second VAMOS sub-channels in said predetermined time slot and TDMA frame.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1661/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHODS AND DEVICES FOR INTERSYSTEM QUIET PERIOD SYNCHRONIZATION

(51) International classification	:H04W16/14,H04W56/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/SE2010/051215	1)KRONANDER, Jonas
Filing Date	:05/11/2010	2)SELÉN, Yngve
(87) International Publication No	:WO 2012/060756	3)PRYTZ, Mikael
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the technical field of dynamic spectrum access. Synchronization of quiet periods for spectrum sensing can significantly benefit sharing of available secondary access spectrum between two or more wireless communication systems in the same geographic region (10). The object of the present invention is to provide a methodology by which quiet periods can be synchronized in time between different secondary access wireless communication systems. Quiet Period Clients (QPC) of secondary access wireless communication systems (1,2,3) are adapted to send requests to a Quiet Period Server (QPS) to obtain a quiet period rule set. The QPC receives from the QPS an answer specifying the quiet period rule set, and optional quiet period synchronization information. The systems(1,2,3) perform their transmissions in accordance with the received rules.

No. of Pages : 49 No. of Claims : 20

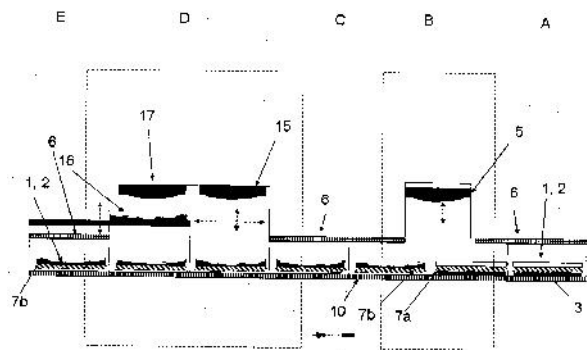
(54) Title of the invention : BENT WINDOWPANE

(51) International classification :B60J1/00,C03B23/03,C03B23/025
 (31) Priority Document No :10194800.8
 (32) Priority Date :13/12/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/072492
 Filing Date :12/12/2011
 (87) International Publication No :WO 2012/080194
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :

The invention relates to vehicle glazing, comprising at least one windowpane (1), which has a windowpane height from 900 mm to 1650 mm, an top upper edge (1c), an A-pillar edge (1e), a body edge (1f), and two rectangular surfaces A and B, wherein the surface A has an extent of 800 mm 800 mm and the surface B has an extent of 1000 mm 700 mm and surface A and surface B are centrally bounded by the lowest contact point (1a) of the windowpane (1) with the body edge (1f) horizontally with respect to the ground, and the lowest contact point (1a) and the point of the top upper edge (1c) at the shortest distance from the contact point (1a) form a Y0 axis and the points at the furthest distance with respect to the width of the windowpane (1) form a Z0 axis, wherein the windowpane (1) has a. vertical radii of curvature from 18 m to 2 m and horizontal radii of curvature from 10 m to 1.5 in the region of the surface A, b. vertical radii of curvature in the range from 18 m to 3 m and horizontal radii of curvature from 10 m to 0.8 m in the region of the surface B, c. the curvature of the windowpane (1) along Y0 at the boundary with the top upper edge (1c) corresponds to a first tangent (1b), wherein the first tangent forms an angle (alpha) from - 10° to 15° from the top surface (19), the curvature of the windowpane (1) at the boundary of the windowpane (1) with the A-pillar (1e) corresponds to a second tangent (1d), wherein the second tangent forms an angle (beta) from 28° to 70° from Z0.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1573/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : TRANSFORMER WINDING

(51) International classification	:H01F27/32
(31) Priority Document No	:11000040.3
(32) Priority Date	:05/01/2011
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/005970
Filing Date	:29/11/2011
(87) International Publication No	:WO 2012/092942
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)ESENLIK Burak

4)CORNELIUS Frank,

5)BOCKHOLT Marcos

6)TEPPER Jens

7)ZILLMANN Karl-Heinz

(57) Abstract :

The invention relates to a transformer winding (10, 50, 70) comprising at least two hollow- cylindrical, axially adjacent winding modules (12, 14, 52, 54, 72, 74, 76, 78), which are arranged about a common winding axis (16, 56, 80) and have an electrical conductor (18, 20) wound in layers, and a common electrical insulting layer (22, 68, 82), by means of which the winding modules (12, 14, 52, 54, 72, 74, 76, 78) are enveloped. The insulating layer (22, 68, 82) has at least one annular, radial depression (28, 30, 58, 60, 62, 64, 66, 84, 86, 88) or annular, radial elevation (32), which is salient transversely to the winding axis (16, 56, 80) on the radial outer face (24,90) of said insulating layer (22, 68, 82).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1574/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER TRANSMISSION SYSTEM

(51) International classification :H02J1/14

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2010/070068

Filing Date :17/12/2010

(87) International Publication No :WO 2012/079645

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

1)APEL, Rolf

(57) Abstract :

The invention relates to a power transmission system (10) having at least two local grids (40, 41) which are each connected to loads (50-52, 53-55) and are connected to a higher-level power transmission network (30). According to the invention the power transmission system (10) has at least one load control unit (60), each of which is connected directly or indirectly to at least one load (50-54) of the at least two local grids (40, 41) and is suitable for controlling the consumption of said loads (50-54), and moreover the load control unit (60) is suitable for evaluating the load state of the at least two local grids (40, 41) and, in the event of an overload which has occurred or is imminent on one of the at least two local grids (40), for reducing the consumption of at least one load (50, 51) of said local grid (40) and conversely for increasing the consumption of at least one load (53) in one of the other local grids (41), which is not overloaded, of the at least two local grids.

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

(54) Title of the invention : METHOD AND DEVICE FOR BENDING SHEETS

(51) International classification :C03B23/025,C03B23/03,C03B35/14
 (31) Priority Document No :10194711.7
 (32) Priority Date :13/12/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/072170
 Filing Date :08/12/2011
 (87) International Publication No :WO 2012/080072
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 (72)Name of Inventor :
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2)DUNKMANN, Benno
3)LE NY, Jean-Marie
4) Lothar SCHMIDT
5)Herbert RADERMACHER

(57) Abstract :

Method for bending a sheet, wherein a) at least one sheet (1, 2) is inserted into a pre bending ring (7a) with a movable bending ring holder (3), the movable bending ring holder (3) is moved into a furnace(4) and the sheet (1, 2) is heated to softening temperature and is pre-bent to 5% to 50% of the final edge bending, b) the sheet (1, 2) is lifted by means of a suction device (5) and is bent further, beyond the bending obtained in the pre-bending ring (7a), wherein, during the bending, on a curved contact surface (12) of a counter structure (8) of the suction device (5), there is a minimum distance (18) of 3 mm to 50 mm between the sheet (1, 2) and an air baffle (11) of a covering (9) of the suction device (5) that surrounds the counter structure (8), c) the sheet (1, 2) is laid down by means of the suction device (5) in a final-bending ring (7b) on the movable bending ring holder (3) and is bent to the final edge bending and an area pre-bending of the sheet (1, 2) is performed by means of thermal irradiation, d) the sheet (1, 2) is lifted out of the final-bending ring (7b) by means of a second suction device (15), pressed against an opposing mould (16) and bent, and the sheet (1, 2) is laid down on the final-bending ring (7b) and e) the sheet (1, 2) is cooled down.

No. of Pages : 18 No. of Claims : 17

(54) Title of the invention : METHOD AND DEVICE FOR BENDING SHEETS

(51) International classification :C03B23/025,C03B23/035
 (31) Priority Document No :10194712.5
 (32) Priority Date :13/12/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/072169
 Filing Date :08/12/2011
 (87) International Publication No :WO 2012/080071
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)BALDUIN, Michael
2)DUNKMANN, Benno
3)LE NY, Jean-Marie

(57) Abstract :

Method for bending a sheet, wherein a) at least one sheet (1, 2) is inserted into a pre-bending ring (7a) with a movable bending ring holder (3), the sheet (1, 2) is heated at least to approximately softening temperature, and the sheet (1, 2) is pre-bent in the pre-bending ring (7a) to 5% to 50% of the final edge bending, b) the pre-bent sheet (1, 2) is lifted out of the pre-bending ring (7a) by means of a suction device (5) and is bent further, beyond the bending obtained in the pre-bending ring (7a), wherein, during the bending, on a curved contact surface (12) of a counter structure (8) of the suction device (5), there is a minimum distance (15) of 3 mm to 50 mm between the sheet (1) and an air baffle (11) of a covering (9) of the suction device (5) that surrounds the counter structure (8), c) the sheet (1) is laid down by means of the suction device (5) in a final-bending ring (7b) on the movable bending ring holder (3) and the sheet (1, 2) is bent to the final bending, and d) the sheet (1, 2) is cooled down in the final-bending ring (7b) and the sheet (1) is bent by means of the suction device (5) to 100% to 130% of the overall final edge bending.

No. of Pages : 18 No. of Claims : 15

(54) Title of the invention : A CONTINUOUS ANNEALING METHOD AND A MANUFACTURING METHOD OF HOT-DIP GALVANIZED STEEL STRIPS

(51) International classification :C21D9/56,C21D1/74,C21D1/76
 (31) Priority Document No :2010-281406
 (32) Priority Date :17/12/2010
 (33) Name of priority country :Japan
 (86) International Application No:PCT/JP2011/079277
 Filing Date :13/12/2011
 (87) International Publication No :WO 2012/081719
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

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Address of Applicant :2-3, Uchisaiwai cho 2-chome, Chiyoda-ku, Tokyo 100-0011 JAPAN

(72)Name of Inventor :

1)Hideyuki TAKAHASHI**2)Nobuyuki SATO****3)Kazuki NAKAZATO****4)Masato IRI**

(57) Abstract :

The present invention prevents readily oxidizable elements contained in a steel, such as Si and Mn, from concentrating in the surface of a steel strip during annealing and thereby forming oxides of the readily oxidizable elements. Use is made of a vertical annealing furnace which is equipped with a heating zone, a soaking zone, and cooling zones and in which part of the furnace gas is introduced into a refiner disposed outside the furnace and is reduced in dew point therein and the gas having a lowered dew point is returned to the furnace. A part which connects the soaking zone and the cooling zones is disposed in the upper part of the furnace. Withdrawal ports for the furnace gas to be introduced into the refiner are disposed respectively in the cooling zone which is located in the vicinity of the part that connects the soaking zone and the cooling zones and in the upper part of the soaking zone. Injection ports for the furnace gas returning from the refiner are disposed respectively in the part that connects the soaking zone and the cooling zones and in the lower part of the soaking zone. The annealing furnace is configured so that the rate of gas withdrawal (Qo1) from the cooling zone which is located in the vicinity of the part that connects the soaking zone and the cooling zones, the rate of gas withdrawal (Qo2) from the upper part of the soaking zone, the rate of gas injection (Qi1) into the part which connects the soaking zone and the cooling zones, the rate of gas injection (Qi2) into the lower part of the soaking zone, the rate of surrounding-gas feeding (Qf1) to the cooling zones and to the subsequent zone, the rate of surrounding-gas feeding (Qf2) to the soaking zone, the internal volume (Vs) of the soaking zone, and the average temperature (Ts) of the soaking zone satisfy relationships, e.g., $0.3\dot{I}-Qf1 < Qo1$.

No. of Pages : 61 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1666/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : WATERPROOF AND VAPOR-PERMEABLE SHOE, PROVIDED PREDOMINANTLY BY MEANS OF THE WORKING METHOD KNOWN AS 'AGO LASTING'

(51) International classification	:A43B7/12
(31) Priority Document No	:PD2010A000361
(32) Priority Date	:30/11/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/069550
Filing Date	:07/11/2011
(87) International Publication No	:WO 2012/072379
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Montebelluna, Localita Biadene - (Treviso) ITALY

(72)Name of Inventor :

1)Mario POLEGATO MORETTI

(57) Abstract :

A waterproof and vapor-permeable shoe, which comprises - a sole (11, 111), which has a vapor permeation region (12, 112), - an assembly insole (13), made of waterproof material, which has at least one vapor-permeable or perforated portion (14) above the vapor permeation region (12, 112) which, once assembled, it covers, - a top assembly (15), which at least comprises a vapor-permeable lining (16), a vapor-permeable upper (17), and a waterproof and vapor-permeable upper membrane (18) between them, the top assembly (15) being associated with the assembly insole (13), at least predominantly according to the working method known as AGO lasting, a region (A) for the waterproof sealing of the assembly insole (13) to the sole (11, 111) being provided, the sealing region (A) substantially surrounding the vapor-permeable or perforated portion (14) which is free for vapor permeation.

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

(54) Title of the invention : VIBRATION CONTROL DEVICE FOR RAILROAD VEHICLE

(51) International classification :B61F5/24,F15B21/04,F16F15/02
 (31) Priority Document No :2011-120599
 (32) Priority Date :30/05/2011
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2012/063915
 Filing Date :30/05/2012
 (87) International Publication No :WO 2012/165471
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

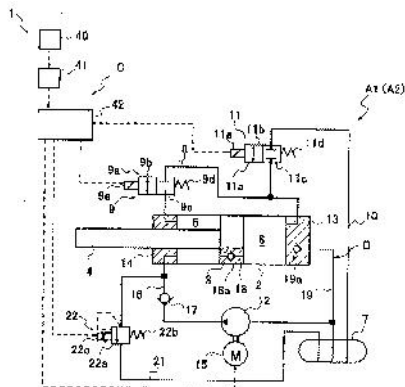
1)KAYABA INDUSTRY CO., LTD.Address of Applicant :World Trade Center Bldg., 4-1,
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(72)Name of Inventor :

1)OGA WA Takayuki**2)AOKI Jun****3)UCHIDA Masaru****4)YABUKI Chie**

(57) Abstract :

A railway car vibration control device (1) is provided with actuators (A1, A2) comprising: a cylinder (2) which is linked to a railway car truck; a piston (3); a rod (4) which is linked to the piston and to a vehicle body; a rod-side chamber (5) and a piston-side chamber (6) inside the cylinder (2); a tank (7); a first open/close valve (9) which is provided midway along a first passage (8) that links the rod-side chamber (5) and the piston-side chamber (6); a second open/close valve (11) which is provided midway along a second passage (10) that links the piston side chamber (6) and the tank (7); and a pump (12) for supplying a liquid to the rod-side chamber (5). The first open/close valve (9) and the second open/close valve (11) are opened and the pump (12) is driven in order to warm up the actuators (A1, A2) after start-up and before the device switches to normal control mode for suppressing vibration of the vehicle body.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1486/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : NONWOVEN FABRIC, MANUFACTURING METHOD THEREOF AND FILTERS FORMED BY IT

(51) International classification :D04H1/54,D04H1/48,B01D39/16
(31) Priority Document No :PCT/CN2010/077735
(32) Priority Date :14/10/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/071371
Filing Date :28/02/2011
(87) International Publication No :WO 2012/048545
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NG, Ying Yuk
Address of Applicant :22/f., 3 Lockhart Road, Wanchai Hong Kong CHINA
(72)Name of Inventor :
1)NG, Ying Yuk
2)CRAIG, Gilbert

(57) Abstract :

A nonwoven fabric, which is made by at least two same or different type staple fibers with low melting point and high melting point respectively. The hardness of the said nonwoven fabric is sufficient to self-supporting and pleating. The said nonwoven fabric has good moldability and compression resistance. A method for manufacturing the said nonwoven fabric and filters with the said nonwoven fabric as filter medium are also disclosed.

No. of Pages : 36 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1575/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HOUSINGLESS ELECTRIC MOTOR FOR A HOUSEHOLD APPLIANCE

(51) International classification :H02K5/00,H02K5/15,D06F37/20	(71)Name of Applicant :
(31) Priority Document No :10 2010 062 824.7	1)BSH BOSCH UND SIEMENS HAUSGERÍ,TE GMBH
(32) Priority Date :10/12/2010	Address of Applicant :Carl-Wery-Str. 34, 81739 München
(33) Name of priority country :Germany	GERMANY
(86) International Application No :PCT/EP2011/072120	(72)Name of Inventor :
Filing Date :07/12/2011	1)BINDER, Alfred
(87) International Publication No :WO 2012/076616	
(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 housingless electric motor, in particular a brushless electric motor, comprising a rotor (2), a stator (4) having a laminated core (5), and a motor mount (18) which has fastening elements for attaching the electric motor (1) in or on a household appliance and which is mounted on the laminated core (5) of the stator.

No. of Pages : 26 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1576/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : GAS VALVE UNIT COMPRISING A LIFT DEFLECTION SYSTEM

(51) International classification :F23N1/00
(31) Priority Document No :10290660.9
(32) Priority Date :14/12/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/072056
Filing Date :07/12/2011
(87) International Publication No :WO 2012/080054
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :Carl-Wery-Str. 34, 81739 München
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(72)Name of Inventor :
1)NAUMANN, Jörn

(57) Abstract :

The invention relates to a gas valve unit for adjusting a gas volume flow fed to a gas appliance, in particular a gas cooker. Said gas valve unit has a valve housing (20) and an actuation pin (31), an actuation section of which protrudes from the valve housing (20). A shutoff valve (40) is designed in the valve housing (20). According to the invention, at least two on-off valves (3) are designed in the valve housing (20) and can be actuated by rotating the actuation pin (31), while the shutoff valve (40) can be actuated by axially moving the actuation pin (31). The shutoff valve (40) has a movable shutoff element (44). A deflection device converts an axial movement of the actuation pin (31) into an axial movement of the shutoff element (44) of the shutoff valve (40), the latter axial movement extending substantially perpendicular to the former one.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1670/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SOIL CULTIVATION IMPLEMENT

(51) International classification	:A01B21/08
(31) Priority Document No	:10 2010 054 945.2
(32) Priority Date	:17/12/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/002153
Filing Date	:16/12/2011
(87) International Publication No	:WO 2012/089193
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ACHTEN, Georg
2)TERBOVEN, Johannes

(57) Abstract :

The invention relates to a floor-treating appliance (1) having two frame parts (3, 4) which are arranged transversely, and one behind the other, and on which are arranged hollow discs (5, 6) which are mounted such that they can be rotated separately one beside the other, wherein the hollow discs (5) of the one frame part (3, 4) have the concave sides oriented obliquely forwards and outwards, as seen in the direction of operation, and the hollow discs (6) of the other frame part (4) have the concave sides (10) oriented obliquely forwards and towards the centre, as seen in the direction of operation, and wherein the chords of the concave sides (10) of the hollow discs (5, 6) are arranged so as to enclose an obtuse angle () with the floor surface (13), wherein the respective two hollow discs which, in a central region (50), have their concave sides (10) or their convex sides oriented towards one another are designed such that in each case one of these hollow discs (14, 15) has a smaller diameter and is offset in relation to the adjacent hollow discs (5), as seen in the direction of operation.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1671/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : STORAGE MODULE FOR A HYDRAULIC STORED-ENERGY SPRING MECHANISM

(51) International classification :H01H33/34
(31) Priority Document No :10 2010 054 665.8
(32) Priority Date :15/12/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/005644
Filing Date :10/11/2011
(87) International Publication No :WO 2012/079667
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SCHMIDT, Matthias
2)BRENNEIS, Thomas
3)KNOSPE, Jörg

(57) Abstract :

The invention relates to a storage module for a hydraulic stored-energy spring mechanism for operating a high-voltage switch, in particular a high-voltage circuit breaker, having a spring element (51) which acts as an energy storage means and having a fluid for transmitting the energy of the spring element (51), by means of a moving storage piston (30), to a piston rod for operating the high-voltage switch, wherein the storage piston (30) projects into the housing (1) which is filled with fluid and the housing forms a high-pressure storage reservoir (13) for the fluid. The high-pressure storage reservoir (13) is connected to a hydraulic system of the stored energy spring mechanism by means of at least one channel element (11), (12) which projects into the high-pressure storage reservoir (13) and a high-pressure channel (10) which is connected to said channel element. The storage piston (30) closes a subregion of the channel element (11), (12) starting from a specific piston stroke (s).

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

(54) Title of the invention : PORTABLE SMOKESCREEN INSECTICIDE SPRAYER

(51) International classification :A01M13/00,A01M7/00
 (31) Priority Document No :10-2010-0103866
 (32) Priority Date :25/10/2010
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2010/009077
 Filing Date :17/12/2010
 (87) International Publication No :WO 2012/057404
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)LEE, Ji Hoon

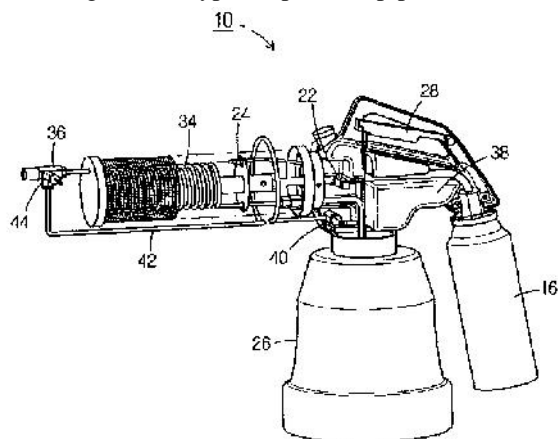
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(72)Name of Inventor :

1)LEE, Ji Hoon

(57) Abstract :

The present invention relates to a portable smokescreen insecticide sprayer, wherein: an oil supply container (26) and a medicine supply container (38) are separately configured; and if a smokescreen is generated by evaporation while oil passes through a coil type evaporation pipe (34) such that the oil is discharged through a discharge pipe (36), a strong suction force is created within a medicine supply pipe (42) which connects the medicine supply container (38) with the discharge pipe (36), thereby allowing the medicine to be aspirated within the discharge pipe (38) to be sprayed in a state such that the medicine is uniformly distributed into the smokescreen in a particulate state. Thus, the invention: prevents the inconvenience of mixing the oil with the medicine; prevents loss caused by the evaporation and carbonization of the medicine; and ensures longevity by preventing malfunction of the main components, which occurs due to the toxicity of the medicine or to mucous sediment that is created when the medicine is mixed with the oil, or by preventing the coil type evaporation pipe (34) from being blocked by the medicine.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1636/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : COMPACT MULTI-COLUMN ANTENNA

(51) International classification	:H01Q1/24,H01Q21/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (publ)
(32) Priority Date	:NA	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/066568	1)JIDHAGE, Henrik
Filing Date	:01/11/2010	2)EK, Anders
(87) International Publication No	:WO 2012/059122	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides an antenna arrangement having an operating frequency band with a mean wavelength and comprising at least two columns of antenna elements with at least two antenna elements in each column. Each column of antenna elements extends above a separate elongated column ground plane with a column separation defined as a distance between midpoints of neighbouring column ground planes. The antenna elements in each column are located along a column axis pointing in a longitudinal direction of the column ground plane wherein all column separations are below 0,9 and wherein a parasitic element extends above at least one antenna element in each column. Parameters of the parasitic element are adapted for proper excitation thus achieving a reduced beamwidth for each of said columns of antennas. The invention also provides a method to manufacture the antenna arrangement.

No. of Pages : 36 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1637/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : HIGH-EFFICIENCY LINEAR COMBUSTION ENGINE

(51) International classification	:F02B71/00
(31) Priority Document No	:12/953,277
(32) Priority Date	:23/11/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/061145
Filing Date	:17/11/2011
(87) International Publication No	:WO 2012/071239
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)SIMPSON, Adam

2)MILLER, Shannon

3)SVRCEK, Matt

(57) Abstract :

Various embodiments of the present invention are directed toward a linear combustion engine, comprising: a cylinder having a cylinder wall and a pair of ends, the cylinder including a combustion section disposed in a center portion of the cylinder; a pair of opposed piston assemblies adapted to move linearly within the cylinder, each piston assembly disposed on one side of the combustion section opposite the other piston assembly, each piston assembly including a spring rod and a piston comprising a solid front section adjacent the combustion section and a gas section; and a pair of linear electromagnetic machines adapted to directly convert kinetic energy of the piston assembly into electrical energy, and adapted to directly convert electrical energy into kinetic energy of the piston assembly for providing compression work during the compression stroke.

No. of Pages : 50 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.269/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD OF COATING METAL POWDER WITH CHEMICAL VAPOR DEPOSITION FOR MAKING PERMANENT MAGNETS

(51) International classification	:H01F1/057	(71) Name of Applicant :
(31) Priority Document No	:13/439,442	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:04/04/2012	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)YUCONG WANG
(87) International Publication 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 making a permanent magnet includes a step of contacting a powder with a metal-containing vapor to form a coating on the powder. The alloy powder includes neodymium, iron, and boron. The metal-containing vapor includes a component selected from the group consisting of dysprosium, terbium, iron and alloys thereof. A permanent magnet is formed from the coated powder by compaction, sintering and subsequent heat treatment.

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

(54) Title of the invention : CASTING DEVICE FOR A PISTON FOR AN INTERNAL COMBUSTION ENGINE AND METHOD FOR OPENING AND/OR CLOSING A CASTING DEVICE

(51) International classification :B22C9/06,B22D15/02,B22D17/22
 (31) Priority Document No :10 2010 064 078.6
 (32) Priority Date :23/12/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/070454
 Filing Date :18/11/2011
 (87) International Publication No :WO 2012/084364
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)FEDERAL-MOGUL NÜRNBERG GMBH
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 GERMANY
 (72)Name of Inventor :
1)NITSCHKE, Frank
2)Jí,,GER, Achim

(57) Abstract :

The invention relates to a casting device for a piston for an internal combustion engine, having at least one at least mostly linearly displaceable sleeve (10) for forming at least one piston pin bore and at least one slider (12) that can be displaced at least mostly linearly and diagonally to the sleeve (10) for forming at least one recess under a ring zone of the piston, characterized in that the sleeve (10) and the slider (12) are at least indirectly coupled, such that the sleeve at least partially carries the slider (12) when displaced. The invention further relates to a method for opening and/or closing a casting device for a piston for an internal combustion engine wherein at least one mostly linearly displaceable sleeve (10) at least partially carries at least one slider (12) that can be displaced mostly linearly and diagonally to the sleeve (10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1595/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : IMAGE FORMING APPARATUS

(51) International classification	:B41J2/01,B41J19/18	(71)Name of Applicant :
(31) Priority Document No	:2010-277462	1)RICOH COMPANY, LTD.
(32) Priority Date	:13/12/2010	Address of Applicant :3-6, Nakamagome 1-chome, Ohta-ku,
(33) Name of priority country	:Japan	Tokyo 1438555 JAPAN
(86) International Application No	:PCT/JP2011/078629	(72)Name of Inventor :
Filing Date	:05/12/2011	1)YANASE, Norikazu
(87) International Publication No	:WO 2012/081526	2)KIKURA, Makoto
(61) Patent of Addition to Application	:NA	3)KEMMA, Tsuguyori
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In an image forming apparatus, a carriage mounts a recording head for discharging droplets, and moves in a main scan direction. A guide member slidably guides the carriage. An encoder scale is arranged along the main scan direction. An encoder sensor reads the encoder scale. The carriage includes a head mounting part for mounting the recording head, and a sensor attaching part for attaching the encoder sensor. The sensor attaching part is provided so as to be extended from the head mounting part. The encoder scale is arranged at a location which the encoder sensor can read. A partition member is provided to separate the head mounting part from the sensor attaching part in the carriage. The head mounting part is arranged in a first space, and the sensor attaching part and the encoder scale are arranged in a second space separated from the first space by the partition member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1596/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : BRIQUETTE MACHINE

(51) International classification :B30B3/04,B30B11/00,B30B15/30

(31) Priority Document No :2011-042974

(32) Priority Date :28/02/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/004792

Filing Date :29/08/2011

(87) International Publication No :WO 2012/117459

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

1)HINO, Takehiko

2)NISHIMURA, Ryouma

(57) Abstract :

A briquette machine 10 is disclosed that equalizes the profile of the thickness and weight of the produced briquettes. The briquette machine 10 includes a hydraulic cylinder 106 that is located at the side opposite a stationary side bearing unit 56 in relating to a movable side bearing unit 46 such that the axial direction is along the radial direction of a first roll 12 and a second roll 14. The hydraulic cylinder has a cylinder rod 110 in which one end is provided with a positioning mechanism 120 for adjusting the position of the cylinder rod in the axial direction. The briquette machine 10 also includes a pressure detector 124 that is located between the other end of the cylinder rod 110 and the movable side bearing unit 46 for detecting the pressure that affects an area therebetween and a controller for controlling an adjustable speed motor 26 such that the number of rotations of a feeder screw 24 is increased or decreased based on the increase or decrease of the detected value of the pressure by the pressure detector 124.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.338/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A CLOUD SENSING DEVICE TO ENERGIZE MOTOR DRIVE FOR SENSOR BASED DUAL AXIS SOLAR TRACKER

(51) International classification :H01L31/042
(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

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KARUNAMOYEE,SALT LAKE CITY, KOLKATA-700091,
HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
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(72)**Name of Inventor :**
1)MR. VIRENDRA DIXIT
2)DR. SON PAL SINGH
3)MR. NITIN GUPTA

(57) Abstract :

A sensing circuitry device to energize dual motor drive of sensor based dual axis solar tracker system during low-solar incidence periods, the device comprising a plurality of light dependent resistors (LD, LDR1, LDR3, LDR4, LDR5) to receive scattered low-solar incidence, connected to a plurality of fixed and variable resistance (R1, R2, VR1, VR3, R3, R4) to generate low milliamperes current and connected to a plurality of integrated circuits (1A, 2A, 2B, 3A, 3B) to amplify the miliampere to be fed to a plurality of transistors (TR1, TR2, TR3, TR4, TR5, TR6, TR7, TR8, TR9) to control a relay, characterized in that the solar tracker system is operated by said dual motor drive connected to the circuitry device, and in that the relay is connected to the transistor and deactivates the solar tracking system under cloudy/low-sunlight conditions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1591/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : HIGH WORKABILITY EPOXY GROUT

(51) International classification	:C04B26/14
(31) Priority Document No	:MI2011A000700
(32) Priority Date	:27/04/2011
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2011/054995
Filing Date	:09/11/2011
(87) International Publication No	:WO 2012/146958
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SGHEDONI, Gianluca

(57) Abstract :

An epoxy grout comprising: at least one epoxy resin; at least one polyamine compound; at least one mineral filler; at least one hydroxyester having a boiling point higher than or equal to 250°C. It is a non-water-based grout, which, thanks to the presence of said at least one hydroxyester, is endowed with high workability during application and at the same time can be easily removed from surfaces by sponging off with water. The VOC value measured on the formulation when laid is significantly reduced.

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

(54) Title of the invention : SECURITY FEATURE

(51) International classification :C09K11/77,B41M3/14,B42D15/00
 (31) Priority Document No :10 2010 055 976.8
 (32) Priority Date :23/12/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/006489
 Filing Date :21/12/2011
 (87) International Publication No :WO 2012/084239
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)GIESECKE & DEVRIENT GMBH

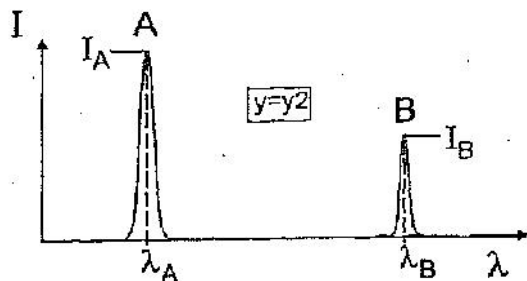
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(72)Name of Inventor :

1)KECHT, Johann**2)STOCK, Kai Uwe**

(57) Abstract :

The invention relates to a security feature for protecting valuable documents, in particular for ensuring the authenticity of valuable documents. According to the invention, the security feature comprises a luminescent pigment which has a host lattice doped with a first luminophore and a second luminophore, with an excitation energy of the first luminophore being transferable to the second luminophore. However, in the case of the luminescent pigment according to the invention, the excitation energy is not transferred completely from the first luminophore to the second, but rather only partially. The incomplete transfer of the excitation energy is achieved by selecting suitable amount of substance fractions of the first and the second luminophores on the luminescent pigment. As a result of the incomplete transfer of the excitation energy, the luminescent light that is emitted by the luminescent pigment also has, in addition to a luminescence peak of the second luminophore, a luminescence peak of the first luminophore.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.262/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : VIBRATION MACHINES FOR POWDER COATING

(51) International classification	:B65G27/18	(71)Name of Applicant :
(31) Priority Document No	:13/439,321	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:04/04/2012	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, UNITED STATES OF
(86) International Application No	:NA	AMERICA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)YUCONG WANG
(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 making a permanent magnet includes a step of forming a coating on an alloy powder by physical vapor deposition. The alloy powder includes neodymium, iron, boron and other metals. The coating includes a component selected from the group consisting of dysprosium, terbium, iron, and the alloys thereof. The alloy powder is vibrated during formation of the coating. Finally, a permanent magnet is formed from the coated powder, the permanent magnet having a non-uniform distribution of dysprosium and/or terbium. A method of making a permanent magnet using a vibrating transport belt is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.345/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN IMPROVED WAY TO PRODUCE LOW ASH CLEAN COAL FROM HIGH ASH COAL WITH TOTAL SOLVENT RECOVERY

(51) International classification	:C10L5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
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(86) International Application No	:NA	001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MR. VIMAL KUMAR CHANDALIYA
(61) Patent of Addition to Application Number	:NA	2)DR. PINAKPANI BISWAS
Filing Date	:NA	3)MR. PRADIP KUMAR BANERJEE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved process to produce low ash clean coal from high ash coal with substantially complete solvent recovery, the process comprising forming a slurry of coal fines in a N-Methyl-2-pyrrolidone (NMP) with a small amount of Ethylenediamine (EDA); maintaining said slurry in a reactor at a temperature range of 100°C to 240°C and a pressure range of 1 to 4 gauge (kg/cm²) for a period of about 15 minutes to 4 hours; separating the produced sample withdrawn from the reactor, separation cut size being variable depending on the particle size to be treated including application of the end product, one part being a filtrate or extract and other a reject; precipitating the coal in an anti solvent by adding concentrated extract; separating the coal by filtration, said separated coal having a reduced ash content; feeding the extracted part into an evaporator to recover 80-85% solvent; precipitating the concentrated material into an anti solvent tank to separate coal from solvent, feeding anti solvent and solvent mixture in a distillation column to separate remaining solvent from the anti solvent for reuse in the process.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1601/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD, APPARATUS, AND SYSTEM FOR ACCESSING MULTI-OPERATOR CORE NETWORK

(51) International classification :H04W8/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2010/078842

Filing Date :17/11/2010

(87) International Publication No :WO 2012/065303

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ZHANG, Yanping

2)FRANK, Mademann

3)WU, Wenfu

(57) Abstract :

The embodiments of the present invention provide methods, apparatuses and systems for accessing a multi-operator core network. One of the methods includes: a second Serving GPRS Supporting Node (SGSN) obtains Logical Link Control (LLC) parameters of a first SGSN from an access network device, wherein the LLC parameters of the first SGSN is sent from the first SGSN to the access network device (101); and the second SGSN interacts with a Mobile Station (MS) using the LLC parameters of the first SGSN (102).

No. of Pages : 36 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1602/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : COMPOUNDS AND METHODS FOR TREATING PAIN

(51) International classification :A61K31/00,A61K31/4164,A61K31/675
(31) Priority Document No :10190922.4
(32) Priority Date :11/11/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/069986
Filing Date :11/11/2011
(87) International Publication No :WO 2012/062925
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)PENNINGER, Josef
2)NEELY, Graham Gregory
3)MCMANUS, Shane
4)NILSSON, Henrik

(57) Abstract :

The present invention relates to new therapies to treat pain and related diseases, as well as pharmaceutical compounds for use in said therapies.

No. of Pages : 293 No. of Claims : 119

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1603/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : LIGHT-LOCKING SOLAR THERMAL COLLECTOR AND LIGHT-LOCKING SOLAR THERMAL COLLECTING METHOD

(51) International classification :F24J2/00,F24J2/12,F24J2/38
(31) Priority Document No :201010530993.5
(32) Priority Date :24/10/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/001751
Filing Date :21/10/2011
(87) International Publication No :WO 2012/055160
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)ZHANG, Xianfeng

(57) Abstract :

A light-locking solar thermal collector and a light-locking solar thermal collecting method. The light-locking solar thermal collector comprises a mechanical tracking system, a concave mirror (3) and a heat absorbing device (5). The heat absorbing device (5) comprises a light locking device (51). The light locking device (51) is of a hollow structure and made of a heat absorbing material, and has an inner wall arranged with several light locking holes (511) on its surface. The light locking device (51) has an outer wall arranged with an incident light hole (512) through which sunlight reflected by the concave mirror (3) enters an empty cavity therein. The efficiency of photothermal conversion can be increased by using the light-locking solar thermal collector and the light-locking solar thermal collecting method.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1604/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : OFFICE CHAIR MECHANISM PROVIDED WITH A DEVICE FOR ADJUSTING THE SWIVEL FORCE.

(51) International classification	:A47C1/032
(31) Priority Document No	:VE2010A000062
(32) Priority Date	:03/12/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2011/071373
Filing Date	:30/11/2011
(87) International Publication No	:WO 2012/072675
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)GORGI, Claudio

2)ZANCHETTA, Andrea Francesco

(57) Abstract :

An office chair mechanism provided with a device for adjusting the swivel force, comprising a fixed part (2) secured to the chair base (6), movable parts (12, 8) secured to the seating portion (14) and to the back rest (22) of the chair, and elastic means (38) which oppose the weight of the chair user, said mechanism being characterised by further comprising: - a lever (28) having contact surfaces (32, 32) which interact with said fixed part (2) by means of a fulcrum consisting of a movable contact element (30) interposed between the end (36) acting on said elastic means (38) and the other end (26) to which said movable parts (12, 18) are pivoted, - adjustment means (34) which cause only the movable contact element (30) to move but without modifying the position of the elastic elements (38) and of the lever (28).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.346/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A METHOD TO RECOVER METALLICS FROM THE FERROCHROME FURNACE SLAG

(51) International classification	:C01G37/14
(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

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(72)**Name of Inventor :**
1)MR. VEERENDRA SINGH

(57) Abstract :

The invention relates to a method to recover metallics from the ferrochrome furnace slag, comprising the steps of : grinding the ferrochrome furnace slag of >25mm into 87%.

No. of Pages : 10 No. of Claims : 2

(54) Title of the invention : DEVICE AND METHOD FOR CUTTING THE CORNEA OF A HUMAN EYE BY MEANS OF CUTS USING FOCUSED PULSED LASER RADIATION

(51) International classification	:A61F9/01
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/007533
Filing Date	:10/12/2010
(87) International Publication No	:WO 2012/076033
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)KRAUSE, Johannes
2)WOELFEL, Mathias
3)DONITZKY, Christof

(57) Abstract :

The invention relates to a device for producing at least one continuous slit-shaped cut (42) from the rear surface (48) to the front surface (46) of the cornea (44) of a human eye, comprising a laser device for producing at least one part of the cut using focused pulsed laser radiation, wherein the laser device comprises controllable components for setting the location of the focus, a control computer for controlling said components, and a control program for the control computer. The control program contains instructions, which are designed to cause the creation of at least one part of the cut (42) starting from the rear surface (48) of the cornea when said instructions are executed by the control computer, wherein the cross- sectional course of the cut - observed in the direction from the front surface to the rear surface, deviates from a straight line (60) perpendicular to the eye surface. According to a preferred embodiment, the cross-sectional course of the cut has several straight-line sections (50, 52, 54), which follow each other in the manner of a zig-zag pattern and each pair of which is separated by a kink (56, 58).

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

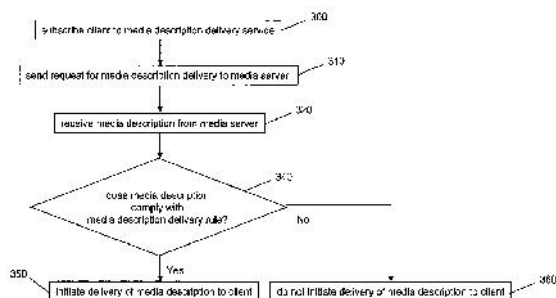
(54) Title of the invention : METHODS AND DEVICES FOR MEDIA DESCRIPTION DELIVERY

(51) International classification :H04L29/06,H04L29/08
 (31) Priority Document No :61/409,285
 (32) Priority Date :02/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2011/068753
 Filing Date :26/10/2011
 (87) International Publication No :WO 2012/059376
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
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 (72)Name of Inventor :
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2)CATREIN, Daniel
3)HARTUNG, Frank
4)KAMPMANN, Markus
5)GABIN, Frederic

(57) Abstract :

Methods and devices for providing a media description of a media stream to a client (500, 1000) are described. The client (500, 1000) is subscribed (300) to a media description delivery service. The media description delivery service comprises a media description delivery rule. A request for a media description delivery is sent (310) to a media server (520). From the media server (520) a media description is received (320). It is verified that the received media description complies with the media description delivery rule and if the verification is in the affirmative, a delivery of the media description is initiated (350) to the client (500, 1000).



No. of Pages : 42 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1649/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DYE ADSORPTION APPARATUS AND DYE ADSORPTION METHOD

(51) International classification :H01M14/00,H01L31/04
(31) Priority Document No :2010-262344
(32) Priority Date :25/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/005415
Filing Date :27/09/2011
(87) International Publication No :WO 2012/070176
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)FURUTANI, Goro
2)TERADA, Takashi
3)FUKUDA, Yoshiteru
4)WADA Norio

(57) Abstract :

[Problem] To significantly reduce the processing time of a step in which a coloring matter is adsorbed onto a porous semiconductor layer formed on the surface to be treated of a substrate. [Solution] A dye adsorption unit (20) includes a processing tank (30) of which the upper surface is opened, in order to perform a batch dye adsorption process for a batch processing number of substrates (G). The dye adsorption unit (20) further includes, as a moving system around the processing tank (30), a boat (32) capable of going in and out of the processing tank (30) from the upper opening, a boat transport unit (34) that serves for the boat (32) to go in and out of the processing tank (30), and a top cover (36) for detachably closing the upper opening. Further, the dye adsorption unit (20) includes a dye solution supply unit for supplying the dye solution into the processing tank (30), and a flow control unit for controlling the flow of the dye solution in the processing tank during the processing.

No. of Pages : 82 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.353/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN IMPROVED THRUST BEARING SPRING SYSTEM FORMED WITH PRE-STRESSED SPRINGS ADAPTABLE TO HYDRO GENERATOR

(51) International classification	:F03B1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KALYAN KUMAR JAIN

2)PRATIK KUMAR

3)ANIL KUMAR PURE

4)BAL KRISHNA SHARMA

(57) Abstract :

The invention relates to an improved thrust Bearing spring system formed with Pre-Stressed springs, adaptable to Hydro Generator, comprising: a plurality of springs (1) pre-stressed to a given value of pre-load by means of a central screw; a hole reamed through a bottom portion of a retaining plate to apply a pre-determined pre-load on the pre-stressed springs via the central screw; a shear pin rigidly locking the sub-assembly of the retainer plate and springs; a spring plate having a plurality of holes to accommodate corresponding number of pad stops; the sub-assembly of the pre-stressed springs and the retainer plate disposed over the spring plate and interlocked by said plurality of pad stops; and a thrust pad disposed over the thrust bearing spring assembly.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1672/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : AQUEOUS UREA TANK STRUCTURE FOR CONSTRUCTION MACHINE

(51) International classification :F01N3/08
(31) Priority Document No :2011-006230
(32) Priority Date :14/01/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/050258
Filing Date :10/01/2012
(87) International Publication No :WO 2012/096254
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)AZUMA Hiroyuki

(57) Abstract :

[Problem] To provide an aqueous urea tank structure for a construction machine, wherein it is possible to prevent the temperature of the aqueous urea within the aqueous urea tank from rising and to reduce the load applied to the aqueous urea tank when a vehicle body vibrates. [Solution] An aqueous urea tank structure for a hydraulic shovel (1), the aqueous urea tank structure being disposed on the hydraulic shovel (1) which has a revolving body (3), an engine disposed within the revolving body (3), and a hydraulic pump driven by means of the drive force of the engine, and which is provided with an aqueous urea tank (11) disposed within the revolving body (3) and for storing aqueous urea (11a) that purifies the exhaust gas discharged from the engine. The aqueous urea tank structure is provided with a securing member for encircling the periphery of the aqueous urea tank (11) and for securing the aqueous urea tank (11) within the revolving body (3), and heat insulating materials (13a, 13b) interposed between the securing member and the aqueous urea tank (11) and for holding the aqueous urea tank (11), wherein the securing means contains a box (12).

No. of Pages : 39 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.340/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : 'AN IMPROVED PROCESS FOR INSERTING A MAGNETIZED ROTOR SHAFT INTO A STATOR CORE OF A PERMANENT MAGNET GENERATOR (PMGS)

(51) International classification	:F16C39/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGION CAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE,SALT LAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. UMAKANATA CHOUDHURY
(62) Divisional to Application Number	:NA	2)GUTTI VIDYANANDAM
Filing Date	:NA	3)UDAY KUMAR MUDHIGOLLAM

(57) Abstract :

The invention relates to an improved process for inserting a magnetized rotor shaft (403) into a stator core (406) of a permanent magnet generator (PMGs), comprising the steps of inserting a plurality of high energy magnets into the rotor shaft (403), the quantity and size of the magnets-being optimized depending on the capacity of the PMG; providing a screw jack shaft device having a pair of jack threaded shafts (405), a pointed rod member (407) attachable to the rotor shafts (403), a jack shaft holder (404) fixable to a base, and at least two end shields (408) each provided with a step, a stator core (406) for insertably accommodating the magnetized rotor shaft (403); wherein the pair of screw jack threaded shaft (405) is aligned on each side of the rotor shaft (403) and rotated by the pointed rod member (407) to advance the rotor into the stator core, wherein the bearing assembly of the PMG upon advancement of the rotor towards the stator core rest on the step of a first of said at least two end shields which is fixed on the stator frame, and wherein a second end shield at the opposite end is fixed to the stator frame after maintaining an uniform gap.

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.354/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN ELECTRONIC AIR-FLOW FINENESS METER DEVICE

(51) International classification	:G01F1/69	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF RESEARCH ON JUTE
(32) Priority Date	:NA	AND ALLIED FIBRE TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :12 REGENT PARK, KOLKATA - 700
(86) International Application No	:NA	040 West Bengal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. GAUTAM ROY
(61) Patent of Addition to Application Number	:NA	2)DR. S.C. SAHA
Filing Date	:NA	3)DR. K.K. SATAPATHY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electronic fineness meter device for measuring fineness parameter of jute and allied products, comprising means for supplying pressurized air; a plug for holding a test sample, the plug holder being connected to the source of supplying pressurized air through an air channel, and an air chamber interposed between the source and the plug holder; a triac set having a relay operably attached to the supply source to maintain a constant pressure of the air supplied to the plug holder; an orifice configured on solid air channel; at least one first sensor acquiring the pressure data of the air and provide a feed back to the triac set to maintain the constant pressure; at least one second sensor acquiring air pressure differential across the orifice; a microprocessor operably attached to the sensors to process the acquired data to determine the value of air flow through the test sample; and a display unit operably connected to the microprocessor to display the measured data.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.163/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : OPEN MODULAR ELECTRIC POWERTRAIN AND CONTROL ARCHITECTURE

(51) International classification	:B60L 15/20
(31) Priority Document No	:13/081,448
(32) Priority Date	:06/04/2012
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER
DETROIT, MICHIGAN 48265-3000 UNITED STATES OF
AMERICA
(72)**Name of Inventor :**
1)HONG YANG
2)NORMAN K. BUCKNOR

(57) Abstract :

A system to control a powertrain includes an energy management layer monitoring a plurality of potential energy storage devices and determining a reference available power for each of the potential energy storage devices. The system further includes a power management layer monitoring the reference available power for the potential energy storage devices, a power demanded of the powertrain, and an electric power constraint for the potential energy storage devices, and determining a power split based upon the monitored reference available power for the potential energy storage devices, the power demanded of the powertrain, and the electric power constraint for the potential energy storage devices. The system further includes a torque control layer controlling torque generation based upon the determined power split.

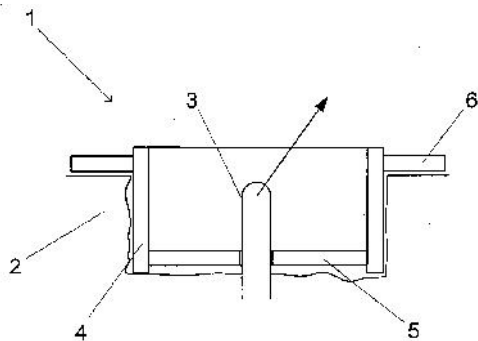
No. of Pages : 31 No. of Claims : 10

(54) Title of the invention : METHOD FOR BRACING A CONCRETE ELEMENT LIFTING LOOP, AND SUPPORT PIECE FOR A CONCRETE ELEMENT LIFTING LOOP

(51) International classification	:E04B1/04	(71)Name of Applicant :
(31) Priority Document No	:20125342	1)Elematic Oy Ab
(32) Priority Date	:27/03/2012	Address of Applicant :PL 33, FI-37801 TOIJALA FINLAND
(33) Name of priority country	:Finland	(72)Name of Inventor :
(86) International Application No	:NA	1)KORKIAMÄKI Pekka
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for bracing a lifting loop (3, 13) for a concrete element (2, 12) at least during a concrete element lifting operation effected by using the lifting loop, whereby the lifting loop is at least partially located in side a recess prepared on a surface of the concrete element, in which method at least forces, which are longitudinal relative to a concrete element to be lifted and which are applied to the lifting loop, are conveyed to the concrete element to be lifted by means of a support piece (1, 11) to be set at least partially in said concrete element's recess prepared in association with the lifting loop. The invention relates also to such a lifting loop support piece.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.347/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : 'A PROCESS TO UTILIZE LOW GRADE MANGANESE ORE FINES FOR MANGANESE BASED FERROALLOY MAKING'

(51) International classification	:B22F1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MR. VEERENDRA SINGH
(61) Patent of Addition to Application Number	:NA	2)MR. SUNIL KUMAR TRIPATHY
Filing Date	:NA	3)MR. VILAS D TATHAVADKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method to recover silicomanganese grade ore concentrate from low grade manganese ore fines comprising the steps of grinding of the low-gradient ore fines of >0.2mm into 36, Mn/Fe: 2, SiO₂< 10 and Al₂O₃ < 5% with manganese recovery >60 % and weight recovery between 50-60%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.362/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : TIBAI (TITANIUM BORON ALUMINIUM) MASTER ALLOY FOR USE AS ALUMINIUM GRAIN REFINER AND A PROCESS FOR ITS PRODUCTION.

(51) International classification	:C22C1/03	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MINEX METALLURGICAL CO LTD
(32) Priority Date	:NA	Address of Applicant :5TH FLOOR, KCI PLAZA, 23 C
(33) Name of priority country	:NA	ASHUTOSH CHOUDHURY AVENUE, KOLKATA- 700019,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KAMBLE, AMIT
(61) Patent of Addition to Application Number	:NA	2)YADAV, SURESH KUMAR
Filing Date	:NA	3)GANGULY, KAJAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

TIBAI (Titanium Boron Aluminium) Master alloy is disclosed for use as grain refiner in cast aluminium alloys adapted to provide improved finer grain size and desired uniform grain distribution of the TiAl₃ and of TiB₂ phases in said grain refiner so as to ensure homogeneity, uniform distribution of alloying elements, desired structure and mechanical properties of the cast aluminium alloys. The invention also provide a process for the production of such TiBAI master alloy in UDS(Unidirectional Stirring) Induction furnace involving controlled up stirring mode for effective homogenization of fluoride salts in aluminium melt, favouring faster salt addition, reduced stirring time and limiting the reaction/holding temperature so as to achieve desired finer particle size of TiAl₃ having average grain size of 40-45µm and TiB₂ particles having average grain size of 1.5-2 µm and their uniform distribution in aluminium matrix at less cycle time for batch production of the cast master alloy with enhanced grain refining capacity.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.268/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : SADDLE RIDING TYPE VEHICLE

(51) International classification

:F02P3/02

(31) Priority Document No

:JP2012-
071542

(32) Priority Date

:27/03/2012

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500, SHINGAI, IWATA-SHI,
SHIZUOKA-KEN, 438-8501, JAPAN

(72)Name of Inventor :

1)WAHEI TAKESAKO

2)JARUWAT PHANSUA

3)KENGKLA RUEANGRIT

(57) Abstract :

A saddle riding type vehicle includes a head tube, a front fork, a front wheel, a body cover having a front cover portion disposed forward of the head tube and a rear cover portion disposed rearward of the head tube and connected to the front cover portion, and a horn disposed between the front cover portion and the rear cover portion. The body cover has an opening formed therein for receiving the front fork. The horn is disposed above the opening. The horn is disposed to have a horn axis perpendicular to a front face thereof and extending downward and forward. At least part of the horn is exposed from the opening as seen from the direction of the horn axis.

No. of Pages : 59 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.337/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A VORTEX TYPE SLAG DART FOR ENHANCED SEPARATION OF SLAG AND MOLTEN STEEL

(51) International classification	:B22D 41/50	(71)Name of Applicant : 1)TATA STEEL LTD.
(31) Priority Document No	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(32) Priority Date	:NA	AND SS DIVISION JAMSHEDPUR-831 001 Jharkhand India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)VIKAS SINGH
Filing Date	:NA	
(87) International Publication 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 vortex type slag dart for enhanced separation of slag and molten steel during tapping operation in a steel making process adapting a Basic Oxygen Furnace (BOF), the slag dart comprising a rod shaped member (4) vertically disposed and downwardly extending to form a dart stem (2), the stem (2) being disposable over the tap hole; a dart head (5) having a lower surface (1) and an upper surface, the rod shaped member (4) extending vertically upwardly through the dart head (5) to allow joining of the slag dart with a mechanical device, wherein the lower surface (1) of the dart head (5) is configured to move in correspondence with the shifting of an interface of the slag and molten steel and cause to correspondingly reduce opening of the tap hole, and wherein the lower surface (1) of the dart head has a length more than twice of the bath height of the Basic Oxygen Furnace (BOF) at which the vortex starts to appear during tapping of the molten steel with an overlying slag layer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.337/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD OF PRODUCING SINTERED MAGNETS WITH CONTROLLED STRUCTURES AND COMPOSITION DISTRIBUTION

(51) International classification	:B22D11/00	(71)Name of Applicant :
(31) Priority Document No	:13/440,482	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:05/04/2012	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YUCONG WANG
(87) International Publication 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 making a permanent magnet includes a step of providing an alloy powder comprising at least one rare earth element. The alloy powder is shaped and then exposed to microwave radiation or a pulsed electric current to form a sintered magnet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.367/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A COOLING SYSTEM FOR POST-HEAT TREATMENT COOLING OF COLD-WORKED STEELS TO PRODUCE DUAL PHASE STEELS

(51) International classification	:C21D 6/00	(71)Name of Applicant : 1)TATA STEEL LIMITED
(31) Priority Document No	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(32) Priority Date	:NA	AND SCIENTIFIC SERVICES DIVISION,JAMSHEDPUR-
(33) Name of priority country	:NA	831001,Jharkhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KUMKUM BANERJEE
(87) International Publication 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 a cooling system for post-heat treatment cooling of cold-worked steels to produce dual phase steels, comprising of: at least two spraying nozzles adaptable to one of air and helium gas, placed perpendicular to the sample; at least two water reservoirs; each reservoir accommodating one spraying nozzle rotatably mounted thereon; a cold-worked Steel Sample heated under intercritical temperature for a prescribed period in a salt bath furnace maintained at specified temperature, the sample being vertically held in a stand after the heat treatment; wherein the system is enabled to cool the sample by one of water-air and water helium mists originating from the nozzles allowing formation of a steam layer on the steel surface, wherein the water-mist is made to envelope a substantial portion of the work-piece to produce a uniform cooling rate range of 80-200°C/s and wherein the intercritical temperature range and the predetermined period is 850°-900°C and 1 to 3 minutes respectively.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1668/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR FORMING A PIPE SECTION

(51) International classification :B21D22/18,B21D51/24,B21D41/04
(31) Priority Document No :10 2010 053 634.2
(32) Priority Date :07/12/2010
(33) Name of priority country:Germany
(86) International Application No :PCT/EP2011/005734
Filing Date :14/11/2011
(87) International Publication No :WO 2012/076111
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LEIFELD METAL SPINNING AG
Address of Applicant :Feldstr. 2-20, 59229 Ahlen,
GERMANY
(72)Name of Inventor :
1)HUTTER, Werner

(57) Abstract :

The invention relates to a process for forming a pipe portion, in which process a base having an opening and having an inwardly projecting collar is formed. It is provided that the pipe portion is made to rotate, that the pipe portion is drawn in by means of a forming roller, with the base being formed by the drawing-in process, that an inwardly projecting material thickening is formed integrally in the base and that an opening is made in the base in the region of the inwardly projecting material thickening, wherein the inwardly projecting collar is formed by at least part of the inwardly projecting material thickening. Furthermore, the invention relates to an apparatus for forming a workpiece.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1669/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SOIL CULTIVATION IMPLEMENT

(51) International classification	:A01B21/08
(31) Priority Document No	:10 2010 054 946.0
(32) Priority Date	:17/12/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/002155
Filing Date	:16/12/2011
(87) International Publication No	:WO 2012/079567
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LEMKEN GMBH & CO. KG
Address of Applicant :Weseler Strasse 5, 46519 Alpen,
GERMANY
(72)**Name of Inventor :**
1)ACHTEN, Georg

(57) Abstract :

The invention relates to a soil cultivation device, comprising two tool rows of hollow disks of a first hollow disk row and of a second hollow disk row, in which tool rows one hollow disk in the first hollow disk row is offset slightly toward the rear. In the second hollow disk row, one hollow disk is in a position offset toward the front. In order to avoid lateral Pulling for such a soil cultivation device, the hollow disk rows were arranged relatively symmetrically and were offset where the hollow disks point toward each other with the convex sides of the hollow disks or with the concave sides of the hollow disks. This offsetting optimizes the soil flow and prevents components from being able to collide. Thus uniform soil cultivation across the entire operating width of the device is ensured, even in the range of large operating depths by means of hollow disks that have a large diameter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.341/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DRIVE FOR A PEDAL VEHICLE, PARTICULARLY FOR CHILDREN

(51) International classification	:B62D11/08	(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)FRANZ SCHNEIDER GMBH & CO. KG
(32) Priority Date	007 166.3	Address of Applicant :SIEMENSSTRA E 13-19, 96465
(33) Name of priority country	:07/04/2012	NEUSTADT, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)FRANK SCHNEIDER
(87) International Publication 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 drive for a pedal vehicle, particularly for children, comprising a drive axle having two drive wheels, further comprising a pedal crank the pinion of which is connected via a chain to a further pinion which is firmly seated on the drive axle, is characterized in that the one drive wheel is connected via a freewheeling mechanism in both directions to the drive axle, and that the other drive wheel is freely rotatably seated on the drive axle and is drivable by an electric motor.

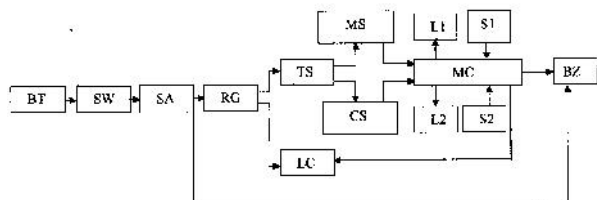
No. of Pages : 12 No. of Claims : 10

(54) Title of the invention : METH-CO METER FOR UNDERGROUND MINES

(51) International classification	:E21D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHOGESH KUMAR
(32) Priority Date	:NA	Address of Applicant :MOHALBANI, NAGINA BAZAR,
(33) Name of priority country	:NA	P.O-BHOWRA, DIST-DHANBAD, JHARKHAND, PIN-828302
(86) International Application No	:NA	Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BHOGESH KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Meth-CO meter is a handheld gas measuring instrument designed for the measurement of both Methane (CH₄) and Carbon monoxide (CO) gases. The measurement range for the Methane gas is from 0.00% to 5.00% and for carbon monoxide is from 0-PPM to 500-PPM. This instrument is very much useful for underground coal mines, where Methane and Carbon monoxide are the most commonly found hazardous gases. The instrument can be operated in any of the three modes which are Methane only, Carbon monoxide only and Methane and Carbon monoxide both at the same time. These modes are selectable by a switch mounted on the cabinet of the instrument, and so if the mode is Methane only the user will get reading for the methane gas, similarly if the mode is Carbon monoxide only the user will get reading for the Carbon monoxide gas, and if the mode is Methane and Carbon monoxide both at the same time the user can get reading for both of these gases at the same time in the instrument. So with the help of this instrument the user can measure the gaseous condition of the environment for the presence of Methane and Carbon monoxide and can get audio-visual alarm whenever the measured value of the gas is above the pre-sated alarm point of the respective gas. From commercial point of view this instrument is first one Indian made instrument in this category, and so is much cheaper than similar types of other foreign made instruments. So this would ultimately help in improving production, productivity and safety for underground mines.



No. of Pages : 18 No. of Claims : 5

(54) Title of the invention : DISPLAY DEVICE, USER INTERFACE METHOD, AND PROGRAM

(51) International classification :G06F3/048
 (31) Priority Document No :2011-108668
 (32) Priority Date :13/05/2011
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2012/062149
 Filing Date :11/05/2012
 (87) International Publication No :WO 2012/157563
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)NTT DOCOMO, INC.

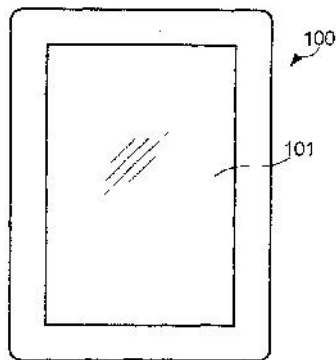
Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 1006150 JAPAN

(72)Name of Inventor :

1)KAWANO, Natsuko**2)HASHIDA, Naoki****3)TSUGE, Yuki****4)SHIMOO, Kousei****5)TAKAYAMA, Fukiko****6)SASAHARA, Yuko****7)MURAKAMI, Keiichi****8)HAMATSU, Makoto**

(57) Abstract :

A display device (100) comprises: a display unit (131) further comprising a display screen (101); a display control unit (113) which controls the display unit such that one of a plurality of screens including an initial screen is displayed on the display screen; and a console unit (132) which receives a user operation. The display control unit: displays, at a location corresponding to an operation which is received by the console unit of a customize region which is adjacent to either the left side or the right side of the initial screen and is horizontally scrollable, one or more images corresponding to each of one or more pieces of software; displays, at a location which is determined in advance of a non customize region which is adjacent to the initial screen in a location other than the location of the customize region and is vertically scrollable, information of a type which is determined in advance; when a scroll operation upon the customize region is received by the console unit, scrolls the customize region with the display screen size as a unit of scrolling; and when a scroll operation upon the non-customize region is received by the console unit, scrolls the non-customize region with a scroll unit which is smaller than the display screen size.



No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1600/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONGESTION CONTROL IN A COMMUNICATION NETWORK

(51) International classification	:H04L12/56,H04W28/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/SE2010/051183	1)JONSSON, Anders
Filing Date	:29/10/2010	2)SKARVE, Martin
(87) International Publication No	:WO 2012/057667	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for congestion control in a network node (20) of a communication network utilizing a distributed queue system for transmission of data units is disclosed. Said network node (20) has a priority queue (PQ)(40) for protocol data units (PDUs) (50, 50a-n) in accordance with a persistent retransmission protocol. The method comprises detecting (110) a condition indicative of a congestion and, in response thereto, manipulating (120) the content of a PDU (50, 50a-n) in the PQ (40). A related network node (20), computer program product, and computer readable medium are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.356/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : 'A LOW-CARBON BAINITIC STEEL GRADE WITH HIGH YIELD STRENGTH AND A HIGH YIELD RATIO AND A PROCESS OF PRODUCING SUCH A STEEL GRADE'

(51) International classification	:C22C38/38
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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831001, Jharkhand India

(72)**Name of Inventor :**
1)SOURABH CHATTERJEE

(57) Abstract :

The invention relates to a low-carbon bainitic steel grade with high yield strength and high yield ratio for application in seismic-proof buildings. The chemical composition of the starting material in wt% is c 0.05, Mn 3, S 0.02, P 0.02, Si 0.02, Al 0.01, Mo 0.06, Ti 0.01, Nb 0.01, and B 0.006, and in that mechanical properties of the produced steel comprise yield strength 670 MPa, ultimate tensile strength 710 MPa, elongation 15%, and yield ratio 0.9.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.374/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR GENERATING A PARAMETER FOR ACQUIRING A FUTURE IMAGE

(51) International classification

:G06K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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MÜNCHEN GERMANY

(72)Name of Inventor :

1)AMIT KALE

2)SANTOSH SINGH

(57) Abstract :

A system and method for generating a parameter for acquiring a future image A system (1) for generating an optimal parameter (2) for acquiring a future image includes an user interface (3) for receiving a first set of images (6) to display the first set of images (6) and for receiving an user input (13) to annotate images from the first set (6) to constitute a second set of images (7), a processor (4) for receiving the second set of images (7) from the user interface (3), processing each image of the second set (7) to identify parameters (8) relating to each image in the second set (7) and collating the parameters (8) to generate a set of optimal parameters (2) to be used for acquiring the future image, wherein each image in the set (6, 7) has significant characteristic represented by the parameter (8) .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1598/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONTACTLESS POWER FEEDING APPARATUS

(51) International classification :H02J17/00
(31) Priority Document No :2010-253851
(32) Priority Date :12/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/072339
Filing Date :29/09/2011
(87) International Publication No :WO 2012/063570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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Yokohama-shi, Kanagawa 221-0023, JAPAN
(72)Name of Inventor :
1)Toshihiro KAI
2)Throngnumchai KRAISORN
3)Yusuke MINAGAWA

(57) Abstract :

A contactless power feeding apparatus is provided with a secondary winding to which power is supplied from a primary winding by an AC power supply. The impedance absolute-value characteristic of Z1 with respect to the frequency has the frequency of the fundamental wave component thereof to be between a frequency where the local maximum exists and that is nearest to the frequency of the fundamental wave component of the AC power supply, and a frequency where the local minimum exists and that is nearest to the frequency of the fundamental wave component. The impedance absolute-value characteristic of Z2 with respect to the frequency has the frequency of the fundamental wave component thereof to be between a frequency where the local maximum exists and that is nearest to the frequency of the fundamental wave component of the AC power supply, and a frequency where the local minimum exists and that is nearest to the frequency of the fundamental wave component. In the above mentioned sentence, Z1 indicates the impedance of just the primary side when viewed from the output side of the AC power supply, and Z2 indicates the impedance of just the secondary side when viewed from the side of a load to be connected to the secondary winding.

No. of Pages : 65 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1599/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTI-LEVEL EYE REGISTRATION

(51) International classification :A61B3/00,A61F9/00,A61B3/113
(31) Priority Document No :10192818.2
(32) Priority Date :26/11/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/071009
Filing Date :25/11/2011
(87) International Publication No :WO 2012/069624
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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Address of Applicant :Route des Arsenaux 41, 1701 Fribourg,
SWITZERLAND
(72)Name of Inventor :
1)KERSTING, Oliver
2)GRECU, Horia

(57) Abstract :

A method for performing multi-level eye registration comprising: obtaining a first initial reference eye image by a first diagnostic device and defining a reference coordinate system; obtaining a second eye image by a surgery device, said second eye image being obtained in a pre-surgery phase before the surgery has started; performing a first registration between said first eye image and said second eye image to obtain a first registration result; obtaining a third eye image by said surgery device, said third eye image being obtained after surgery has started; performing a second registration between said second eye image and said third eye image to obtain a second registration result; combining said first and second registration results to obtain a combined registration result to thereby obtain a registration between said initial reference eye image obtained by said diagnostic device and said third eye image obtained by said surgery device after surgery has started.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.359/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : LIVE ATTENUATED SALMONELLA VACCINE

(51) International classification	:A61K39/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PERIASWAMY, BALAMURUGAN
(32) Priority Date	:NA	Address of Applicant :INSTITUTE OF MICROBIOLOGY,
(33) Name of priority country	:NA	ETH ZURICH, WOLFGANG-PAULI-STREET 10, 8093
(86) International Application No	:NA	ZURICH, SWITZERLAND.
Filing Date	:NA	2)HARDT, WOLF-DIETRICH
(87) International Publication No	: NA	3)SUAR, MRUTYUNJAY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PERIASWAMY, BALAMURUGAN
(62) Divisional to Application Number	:NA	2)HARDT, WOLF-DIETRICH
Filing Date	:NA	3)SUAR, MRUTYUNJAY

(57) Abstract :

The present invention relates to an attenuated mutant strain of Salmonella enterica , wherein the mutant strain contains at least two mutations (in particular deletion mutations) in ssaV gene and a conserved hypothetical gene SL1344_3093. The present invention further relates to a live attenuated vaccine for inducing immunization against one or more disease(s) or condition(s) caused by Salmonella in humans and animals, wherein the vaccine comprises the attenuated mutant strain of the invention and optionally one or more pharmaceutically active carriers or diluents.

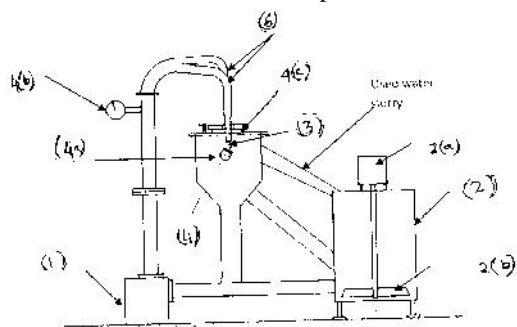
No. of Pages : 33 No. of Claims : 14

(54) Title of the invention : A JET TYPE HIGH VELOCITY SLIT EROSION TEST APPARATUS FOR COMPARATIVE GRADING EVALUATION OF SILT EROSION RESISTANCE OF DIFFERENT MATERIALS AND COATINGS OF THE TURBINE COMPONENTS UNDER CLOSELY SIMULATED FIELD CONDITIONS PREVAILING IN HYDRO PLANT

(51) International classification	:E02B7/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :REGIONAL TESTING
(33) Name of priority country	:NA	LABORATORY, 1ST FLOOR, CTD WORKSHOP, WBSEB BN
(86) International Application No	:NA	BLOCK ABHIKSHAN BUILDING, SECTOR-V, SALT LAKE
Filing Date	:NA	CITY, KOLKATA-700091 West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR.R.K. KUMAR
Filing Date	:NA	2)MR.M. JANARDHANA
(62) Divisional to Application Number	:NA	3)DR. P. SAMPATHKUMARAN
Filing Date	:NA	4)DR. S. SEETHARAMU

(57) Abstract :

The invention relates to a jet type high velocity slit erosion test apparatus for comparative grading evaluation of silt erosion resistance of different materials and coatings of the turbine components under closely simulated field conditions prevailing in hydro plant, comprising: a slurry tank (2) having agitator means (2a,2b); a jet type slurry pump (1) for transfer of slit-containing water drawn from the slurry tank (2) under high pressure; a plurality of hardened steel nozzles (3) operably connected to the pump (1); and an erosion test chamber (4) having at least one orientable sample mounting means (4a); wherein the slurry tank produces a water- slit mixture consisting of a known-concentration of erodent particles which is impinged on a test-sample held on the sample holder for a predetermined period of time, and wherein the means for jet type impingement of the slurry, a change in particle velocity, a change in slit concentration, and change in impingement angle allows to produce a realistic and accurate results of erosion including grading of erosion of different coated components of the turbine.



No. of Pages : 10 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1608/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND MEANS FOR CONTROLLING A ROBOT

(51) International classification :G05B19/401

(31) Priority Document No :10191338.2

(32) Priority Date :16/11/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/070228

Filing Date :16/11/2011

(87) International Publication No :WO 2012/066025

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)UNIVERSAL ROBOTS ApS

Address of Applicant :Svendborgvej 102, DK-5260 Odense S
DENMARK

(72)Name of Inventor :

1)~STERGAARD, Esben Hallundb~ik

(57) Abstract :

The present invention relates to a user friendly method for programming a robot, where the method comprises placing the robot at a given position P0 in the surroundings and using a portion or point P of the robot (for instance the point to which a tool is attached during use of the robot) to define one or more geometrical features relative to the surroundings of the robot and establishing a relationship between the geometrical features and first coordinates of a robot-related coordinate system, whereby the robot can subsequently be instructed to carry out movements of specified portions of the robot relative to said surroundings by reference to said one or more geometrical features. By these means it becomes easy for users that are not experts in robot programming to program and use the robot. The geometrical features can according to the invention be stored in storage means and used subsequently also in other settings than the specific setting in which the programming took place.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.363/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE SYNTHESIS OF 3, 4-DIFLUOROPHENYL CYCLOPROPANAMINE.

(51) International classification	:C07C 69/635	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANDOZ A G.
(32) Priority Date	:NA	Address of Applicant :LICHTSTRASSE 35, 4056 BASEL
(33) Name of priority country	:NA	SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LUTHRA; PARVEN KUMAR
(87) International Publication No	: NA	2)KHAN; RASHID
(61) Patent of Addition to Application Number	:NA	3)NAIR; RAJI
Filing Date	:NA	4)DAS; TONMOY
(62) Divisional to Application Number	:NA	5)GUDEKAR; SANKET
Filing Date	:NA	6)SYED; AZIZ

(57) Abstract :

The present invention relates to an improved process for the synthesis of 3, 4-difluorophenyl cyclopropanamine and its use for the synthesis of triazolopyrimidine compounds viz Ticagrelor. The present invention in particular relates to the synthesis of 3, 4-difluorophenyl cyclopropanamine via novel intermediates.

No. of Pages : 31 No. of Claims : 10

(54) Title of the invention : AN IMPROVED WATER /NITROGEN DUAL COOLED PROBE SYSTEM FOR COLLECTING BURNT SAMPLE PARTICLES AT VARIOUS ELEVATIONS INSIDE DROP TUBE FURNACE

(51) International classification	:G01R1/073	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :REGIONAL TESTING
(33) Name of priority country	:NA	LABORATORY, 1ST FLOOR, CTD WORKSHOP, WBSEB BN
(86) International Application No	:NA	BLOCK ABHIKSHAN BUILDING, SECTOR-V, SALT LAKE
Filing Date	:NA	CITY, KOLKATA-700091 West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)V. SARAVANAN
Filing Date	:NA	2)R.K. KUMAR
(62) Divisional to Application Number	:NA	3)DR. S. SEETHARAMU
Filing Date	:NA	

(57) Abstract :

The invention relates to an improved water/nitrogen dual cooled probe system for collecting burnt sample particles at various elevations inside drop tube furnaces, comprising a sample collection probe (15) consisting of at least three concentric metal tubes (1, 2, 3) the inner tube (1) aspirated with coal particles, a first end of the inner tube (1) attached to a mouth (4) of the sample collection probe (15), a second end of the inner tube (1) connected to cyclone (12) follow by filler bags (13a), and a particle aspirating device, the middle tube (2) allowing entry of water through an inlet (9) which water is exited through an outlet (8) by the outer tube (3); a thin capillary tube (7) passing through the inner space of the middle tube (2) for carrying nitrogen gas to said mouth (4) of the sample collection probe (15), a first end of the thin tube (7) attached to said mouth (4), and a second end connected to a nitrogen gas supply source; a traversing mechanism attached to the sample collection probe (15) and consisting of a vertically movable platform (15) supported by two lubricated parallel rod members (19), a vertical screw (16) supported at both ends by one each ball bearing (20), the vertical screw (16) causing said movable platform (15) an upward or downward movement corresponding to rotation of the screw (16) clock-wise or anti-clockwise directions by a controllable d.c motor (18), wherein the thin capillary tube (7) is enabled to spray nitrogen gas at the mouth of the probe to substantially reduce the temperature of the hot gas including further cooling of collectable burnt sample through water circulation, and wherein the construction of the probe and traversing mechanism allows dynamic collection of the sample from multiple points of the furnace where gas phase, and solid-gas phase reactions are continuing and thereby further evaluate kinetics of the reactions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1583/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

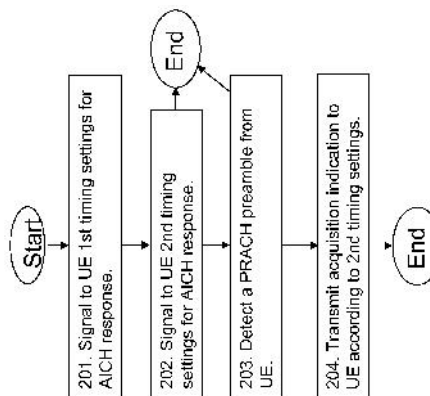
(54) Title of the invention : METHOD AND ARRANGEMENT IN A COMMUNICATIONS NETWORK

(51) International classification :H04W74/08
(31) Priority Document No :61/407,942
(32) Priority Date :29/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2011/051119
Filing Date :19/09/2011
(87) International Publication No :WO 2012/057675
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
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2)BERGMAN Johan

(57) Abstract :

A method for enhancing Random Access Channel RACH, performance is provided. First timing settings to be used by a first set of user equipments for a first Acquisition Indicator Channel, AICH, response timing is explicitly or implicitly signalled (201) from a NodeB or from a Radio Network Controller, RNC, to a user equipment. Further, second timing settings to be used by a second set of user equipments for a second AICH response timing is explicitly or implicitly signalled (202) from the NodeB or from the RNC to the user equipment.



No. of Pages : 33 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1584/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONNECTOR UNIT

(51) International classification	:H01R13/44
(31) Priority Document No	:2010-257033
(32) Priority Date	:17/11/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/076172
Filing Date	:14/11/2011
(87) International Publication No	:WO 2012/067066
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :4-28, Mita 1-chome, Minato-ku, Tokyo
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(72)**Name of Inventor :**
1)YAGOME, Sachiko
2)ISHIKAWA, Ayumu
3)ZAITSU, Kazuki

(57) Abstract :

[Problem] To provide a connector unit that prevents a user coming in contact with a first terminal fitting when engaging a first connector and a second connector. [Solution] A connector unit (20) comprising: a first connector (1) with a first housing (4) that houses the first terminal fitting (3), and a contact preventing housing (51) disposed between the first terminal fitting and the first housing; and a second housing that engages with the first housing. A tension spring (6), with one end fixed to the outer circumference of the contact-prevention housing and the other end free that locks with the first housing restrict the contact preventing housing from sliding is disposed in the contact-prevention housing. Disposed in the second housing is a penetration section (12) that penetrates between the tension spring (6) and the first housing and releases the tension spring lock by pressing the tension spring, thus enabling the contact prevention housing to slide.

No. of Pages : 35 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1585/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : KNITTING MACHINE

(51) International classification :D04B15/32
(31) Priority Document No :10 2010 050 402.5
(32) Priority Date :03/11/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/068101
Filing Date :17/10/2011
(87) International Publication No :WO 2012/059317
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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BETEILIGUNGSGESELLSCHAFT MBH**
Address of Applicant :Emil-Mayer-Stra ße 10, 72461 Albstadt
GERMANY
(72)Name of Inventor :
1)EPPLER, Johannes-Martin

(57) Abstract :

The invention relates to a knitting machine with needles that are mounted in a longitudinally movable manner, comprising locking parts (14) with a needle cam (13) for moving the needles. The needle cams (13) have a draw off angle (α) $\geq 35^\circ$ at least in the latch locking region (Z) of the needles.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.382/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN APPARATUS AND METHOD TO MONITOR INLET AND EXIT PARAMETRIC CONDITIONS OF STEAM IN A THERMAL HEATING SYSTEM TO ACHIEVE OPTIMAL EFFICIENCY

(51) International classification	:E04F15/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :REGIONAL TESTING
(33) Name of priority country	:NA	LABORATORY, 1ST FLOOR, CTD WORKSHOP, WBSEB BN
(86) International Application No	:NA	BLOCK ABHIKSHAN BUILDING, SECTOR-V, SALT LAKE
Filing Date	:NA	CITY, KOLKATA-700091 West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SIDDHARTHA BHATT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an apparatus for optimizing performance of steam heating systems through accurate measurement of inlet and outlet parameters of steam, comprising : a programmable input/out unit (1) which can be a microcontroller and having at least one memory device and a computer program, receiving converted digital data acquired through a plurality of primary sensors (2), through a processing means (5), the output of the programmable unit (1) converted to analog data and transmitted to activate variable frequency drives of a power source of flow pump motors; a plurality of input and output temperature sensors and pressure transducers, the input sensors (2) attached to the thermal heater to measure and output analog signals on the status of steam entering into the process and exiting from the process; an analog to digital converter (4) receiving the analog signals and converting to digital signals; a power source (3); an artificial intelligence with logic rule (5) interfaced to the microcontroller (1) to process the input digital data to the microcontroller (1) and output processed analog signals; a digital to analog converter to convert the digital signals outputted by the microcontroller.

No. of Pages : 16 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : NOVEL ANTI-CANCER AGENTS

(51) International classification :C07D403/12,A61K31/53,A61P35/00
(31) Priority Document No :61/407,265
(32) Priority Date :27/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/AU2011/001376
Filing Date :27/10/2011
(87) International Publication No :WO 2012/054978
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)BURGESS, Antony Wilks
2)WALKER, Francesca
3)WATSON, Keith Geoffrey
4)WITCHARD, Helen
5)LESSENE, Guillaume

(57) Abstract :

The present invention provides a compound of Formula (I), or a pharmaceutical acceptable derivative, salt or prodrug thereof. Further provided is a method of treatment of cancer in a subject comprising administering to said subject an effective amount of a compound of Formula (I), or a pharmaceutical acceptable derivative, salt or prodrug thereof. Further provided is the use of a compound of Formula (I), or a pharmaceutical acceptable derivative, salt or prodrug thereof in the preparation of a medicament for the treatment of cancer. In addition, the present invention also provides a pharmaceutical composition comprising a compound of Formula (I), or a pharmaceutical acceptable derivative, salt or prodrug thereof.

No. of Pages : 83 No. of Claims : 16

(54) Title of the invention : ANTICANCER FUSION PROTEIN

(51) International classification :C07K14/705,C07K14/56,C07K14/57
 (31) Priority Document No :P.393146
 (32) Priority Date :03/12/2010
 (33) Name of priority country :Poland
 (86) International Application No :PCT/EP2011/071719
 Filing Date :05/12/2011
 (87) International Publication No :WO 2012/072815
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Adamed sp. z o.o.

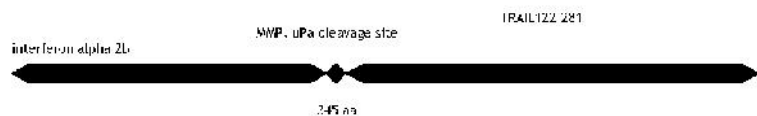
Address of Applicant :Pie ków 149, PL-05-152 Czosnów K/Warszawy POLAND

(72)Name of Inventor :

1)PIECZYKOLAN, Jerzy Szczepan**2)LEMKE, Krzysztof Kazimierz****3)PAWLAK, Sebastian****4) EREK, Bartłomiej**

(57) Abstract :

A fusion protein comprising domain (a) which is a functional fragment of hTRAIL protein sequence, which fragment begins with an amino acid at a position not lower than hTRAIL95, or a homolog of said functional fragment having at least 70% sequence identity; and domain (b) which is a sequence of an immunostimulating effector peptide, wherein the sequence of domain (b) is attached at the C-terminus or N-terminus of domain (a). The fusion protein can be used for the treatment of cancer diseases.



No. of Pages : 65 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1619/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : QUINOLINE DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME AND PHARMACEUTICAL COMPOSITION CONTAINING SAME

(51) International classification :C07D455/03,C07D401/12,A61K31/4375
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/KR2010/008345
Filing Date :24/11/2010
(87) International Publication No :WO 2012/070700
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DONG-A ST CO., LTD.
Address of Applicant :64, Cheonho-daero, Dongdaemun-gu, Seoul 130-823, REPUBLIC OF KOREA
(72)Name of Inventor :
1)SON, Miwon
2)LEE, Tae Ho
3)CHOI, Sang Zin
4)BAEK, Nam Joon
5)LEE , Kang Ro
6)KIM, Ki Hyun
7)KIM, Soon Hoe

(57) Abstract :

The present invention relates to a novel quinoline derivative compound, an optical isomer thereof, a pharmaceutically acceptable salt thereof, and a hydrate or a solvate thereof. The novel quinoline derivative compound, the optical isomer thereof, the pharmaceutically acceptable salt thereof, and the hydrate or the solvate thereof accelerates gastrointestinal movement and thus can effectively prevent or treat gastrointestinal movement disorders.

No. of Pages : 76 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1620/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : QUINOLINE DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME

(51) International classification :C07D217/04,A61K31/47,A61P1/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/KR2010/008349
Filing Date :24/11/2010
(87) International Publication No :WO 2012/070701
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DONG-A ST CO., LTD.
Address of Applicant :64, Cheonho-daero Dongdaemun-gu
Seoul 130-823, REPUBLIC OF KOREA
(72)Name of Inventor :
1)SON, Miwon
2)LEE, Tae Ho
3)CHOI, Sang Zin
4)BAEK, Nam Joon
5)LEE, Kang Ro
6)KIM, Ki Hyun
7)KIM, Soon Hoe

(57) Abstract :

The present invention relates to a novel quinoline derivative compound, an optical isomer thereof, a pharmaceutically acceptable salt thereof, and a hydrate or a solvate thereof. The novel quinoline derivative compound, the optical isomer thereof, the pharmaceutically acceptable salt thereof, and the hydrate or the solvate thereof accelerates gastrointestinal movement and thus can effectively prevent or treat gastrointestinal movement disorders.

No. of Pages : 45 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.368/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : KEYBOARD STRUCTURE FOR SUPPORTING IMMERSION NOZZLE

(51) International classification

:B22D
41/50

(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)JFE STEEL CORPORATION

Address of Applicant :2-3,UCHISAIWAI-CHO 2-CHOME,
CHIYODA-KU, TOKYO 100-0011 JAPAN

(72)Name of Inventor :

1)KIYOHIO KAMEDA

(57) Abstract :

By displacing inclined surfaces 13 between key members 9 of a keyboard 7 which are arranged to face each other or to approximately face each other with an upper portion of an immersion nozzle 1 sandwiched therebetween from each other in the predetermined horizontal direction along which the immersion nozzle is pushed out, in replacing an old immersion nozzle 1 with a new immersion nozzle 1' by pushing out the old immersion nozzle 1 by the new immersion nozzle 1' in the predetermined horizontal direction, a push-out force which a push-out device 12 is required to generate is reduced.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.385/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN ON-LINE METHOD AND SYSTEM FOR ADVANCE PREDICTION OF LUMB-TYPE BREAK-OUTS TO INITIATE PREVENTING MEASURES IN A CONTINUOUS CASTING PROCESS OF STEEL MANUFACTURING USING THIN-TYPE SLAB CASTERS

(51) International classification	:B22D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION,JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. ARYA K BHATTACHARYA
(61) Patent of Addition to Application Number	:NA	2)MR. K RAJASEKAR
Filing Date	:NA	3)MR. L SIEREVOGEL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An online method for advance-prediction of lumb type break-outs to initiate preventive measures in a continuous casting process of steel manufacturing using thin-type slab caster, the process comprising the steps of passing the molten steel through a water-cooled substantially vertically-aligned lubricated mould to allow formation of a continuous strand consisting of a solid shell encapsulating liquid material, cooling the strand by spraying water while orienting the mould to horizontal position for complete solidification till the solidified shell cut into discrete slabs, the method comprising the steps of advance prediction of tear, crack, break, lump or lumb formation leading to break-out, in the formative shell in the mould at the narrow faces of the emergent strand; and preventing such break-out by raising alarm sufficiently in advance enabling corresponding reduction in casting speed, wherein, multiparametric analysis of the casting process is conducted in real-time through an Artificial Neural Network (ANN) to generate a value of abnormality index (AI) representing the deviation from normal process conditions; a short-term-time or moving average (MAI) of the abnormality index (AI) is compared against a long- term-time average of the MAI (NICC) that represents the normal casting; and a sharp increase in the short term-time AI (MAI) over the long-term-time AI (NICC) is predicted as an on-set of lumb-type break-out.

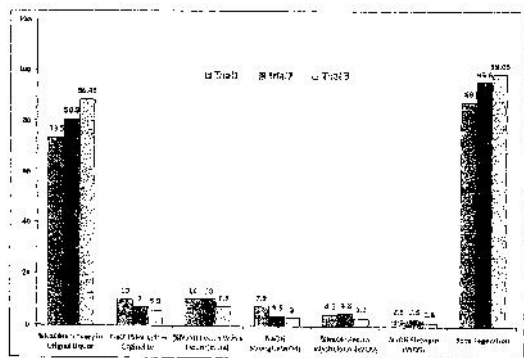
No. of Pages : 28 No. of Claims : 6

(54) Title of the invention : A METHOD FOR EXTRACTION OF PURE SILICA AS A BYPRODUCT FROM THE MIXTURE OF COAL AND IRON ORE IN A PROCESS OF CHEMICAL REACHING OF COAL

(51) International classification	:C04B7/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LTD.
(32) Priority Date	:NA	Address of Applicant :RESEARCH & DEVELOPMENT
(33) Name of priority country	:NA	AND SS DIVISION JAMSHEDPUR-831 001 Jharkhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PINAKPANI BISWAS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for extraction of pure silica as a byproduct from the mixture of coal and iron ore in a process of chemical reaching of coal, the method comprising the steps of treating in a digester pulverized coal with caustic (NaOH) solution at a process temperature between 90°C to 99°C, the amount of caustic solution is relation to ash content of the coal maintained at a ratio between 1:2 and 1:4, the concentration of the solution being varied depending on solubility of the NaOH; recovering clean coal from the digester; precipitating the filtrate recovered from the digester in a precipitation unit by injecting Co₂ at a pressure around 6 kg under process temperature of about 90°C, and adding water to agglomerate the produce; recovering mineral materials consisting of silica and aluminum oxides; regenerating in a regeneration unit the used chemical by reacting the filtrate from the precipitating unit with lime water solution; and preparing CaCo₃ from the solid rejects in the regeneration unit by mixing in a reactor and injecting Co₂ gas for about 45 minutes. The amount of co₂ cosumption is reduced by 80% by providing the temperature to the solution. The key feature in regeneration is the recycling of wash water. Process chemistry is known and already patented. The entire process operation is set in such a way that a maximum amount of recycled water can be obtained..



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1645/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : PYRAZOLE COMPOUNDS

(51) International classification :C07D409/14,C07D409/04,A61K31/4427
(31) Priority Document No :61/541,182
(32) Priority Date :30/09/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/056999
Filing Date :25/09/2012
(87) International Publication No :WO 2013/048989
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NATIONAL HEALTH RESEARCH INSTITUTES
Address of Applicant :No. 35, Keyan Road, Zhunan Town, Miaoli County, 350, R.O.C Taiwan
(72)Name of Inventor :
1)SHIA, Kak-Shan
2)CHANG, Chun-Ping
3)CHAO, Yu-Sheng

(57) Abstract :

Disclosed are pyrazole compounds, encompassed by formula (I) shown in the Specification, useful for treating peripheral cannabinoid 1 receptor mediated disorders. Also disclosed are pharmaceutical compositions and methods related to use of these compounds.

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

(54) Title of the invention : COLD-ROLLED STEEL SHEET HAVING EXCELLENT BENDING FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:B21D	(71)Name of Applicant :
(31) Priority Document No	:JP2012-081987	1)JFE STEEL CORPORATION
(32) Priority Date	:30/03/2012	Address of Applicant :2-3,UCHISAIWAI-CHO 2-CHOME,
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 100-0011 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)FUNAKAWA, YOSHIMASA
(87) International Publication No	: NA	2)KIZU, TARO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An object of the present invention is to provide a cold-rolled steel sheet having excellent bending formability and an advantageous production method of the steel sheet. Specifically, the present invention provides a cold-rolled steel sheet having excellent bending formability, comprising a composition including in mass%, C: 0.005 % to 0.030 %; Si: 0.05 % or less; Mn: 0.10 % to 0.35 %; P: 0.025 % or less; S: 0.015 % or less; N: 0.01 % or less; Al: 0.07 % or less; and the balance as Fe and incidental impurities, wherein provided that [% M] represents content (mass%) of element M in steel, [% Si]/ [% Mn] < 0.5; ferrite grain diameter in steel is not larger than 20 µm; and at least 50% of cementite precipitation is present in ferrite matrix.

No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1638/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : STONE-WOOD COMPOSITE BASE ENGINEERED FLOORING

(51) International classification	:B32B3/14,B32B3/16	(71) Name of Applicant :
(31) Priority Document No	:61/456,110	1)FINISH SYSTEMS INTERNATIONAL, LLC
(32) Priority Date	:01/11/2010	Address of Applicant :4 Larson Drive, Danbury, CT 06810,
(33) Name of priority country	:U.S.A.	UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/058611	(72) Name of Inventor :
Filing Date	:31/10/2011	1)PALLON, Mondo
(87) International Publication No	:WO 2012/061300	2)JING, Huang, Hong
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stone-wood composite base engineered wood flooring having a stone-wood composite base layer in which at least one mesh layer is embedded. Adhered to the base layer is a wood veneer layer. Interlocking design such as tongue-and-groove is provided on at least two sides of the engineered flooring. The wood veneer layer of the engineered wood flooring has improved fireproof performance, waterproof performance and moisture proof performance. When the pieces of flooring are bonded to either each other or the floor, undesired warping of joints is consequently minimized.

No. of Pages : 21 No. of Claims : 29

(54) Title of the invention : METHOD FOR OPERATING A FIXED GAS TURBINE, DEVICE FOR REGULATING THE OPERATION OF A GAS TURBINE AND POWER PLANT

(51) International classification :F02C9/46,F02C9/28,F02C9/38
 (31) Priority Document No :10193135.0
 (32) Priority Date :30/11/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/071243
 Filing Date :29/11/2011
 (87) International Publication No :WO 2012/072614
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :Wittelsbacherplatz 2, 80333 München

GERMANY

(72)Name of Inventor :

1)DEUKER Eberhard

2)KOCK Boris Ferdinand

3)EICKELKAMP Jan

4)KÖSTLIN Berthold

5)MEISL Jürgen

6)NEHLSSEN Dennis

(57) Abstract :

The invention relates to a method for operating a gas turbine (40), a device (60) for regulating the starting and/or the operation of a gas turbine (40) and a power plant (42). In order to permit reliable operation of the gas turbine (40) during the starting of the gas turbine, in the event of a change of fuel and/or in the event of load shedding despite a comparatively low supply pressure of the fuel system (13), there is provision that a fuel volume (BV) is made available with a substantially increased pressure compared to the supply pressure in the fuel system (13), and when necessary to feed it at short notice to the fuel (B) extracted from the fuel system (13) in order to increase the pressure of said fuel (B). Providing a comparatively high fuel pressure enables the pilot flame to burn in a stabilized fashion in the necessary operating situations. Thermo- acoustic vibrations and extinguishing of the flame can also be avoided even though the supply pressure which is continuously made available by the fuel system (13) is comparatively low.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1640/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : DUAL ROTATIONAL AND AXIAL LOAD PICK-UP ELEMENT

(51) International classification :E21B19/12,F04C15/00,F04D13/10
(31) Priority Document No :10 2010 052 657.6
(32) Priority Date :26/11/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/002036
Filing Date :24/11/2011
(87) International Publication No :WO 2012/092914
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NETZSCH PUMPEN & SYSTEME GMBH
Address of Applicant :Gebrüder-Netzsch-Strasse 19, 95100
Selb, GERMANY
(72)Name of Inventor :
1)DITTRICH, Jochen
2)ZUBER, Alexander
3)CEMIN, Angelo

(57) Abstract :

The invention relates to a device for transmitting torques to a polished rod and for accommodating axial loads of a polished rod and/or a hollow shaft for a borehole pump. The transmission of the torque and/or the accommodation of the axial load is ensured by a dual-action integral device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.373/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : INTRUDER/SMOKE SECURITY SURVEILLANCE SYSTEM LINKED TO GSM BASED TELECOMMUNICATION NETWORK.

(51) International classification

:g08b

(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)SEKHAR CHATTOPADHYAY

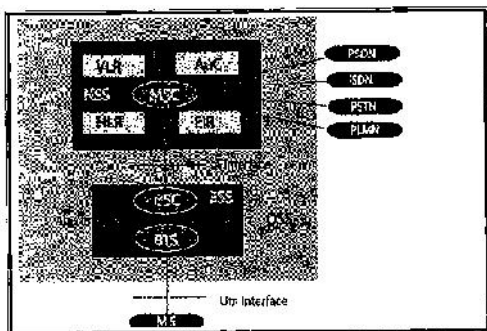
Address of Applicant :8, DHALIPARA ROAD BEHALA,
KOLKATA-700060 West Bengal India

(72)Name of Inventor :

1)SEKHAR CHATTOPADHYAY

(57) Abstract :

This invention presents information of intruder or smoke at any unattended protected area as a alert message to cell phone, land phone email. This invention interprets signals from human body and smoke/heat emission and triggers the requisite messages on mobile phone and personal computer. To inform the emergent situation to the concerned person(s) via telephone / email.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1657/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONVERSION OF NATURAL GAS

(51) International classification :C10G2/00,C10G45/00,C10L1/04
(31) Priority Document No :1018338.2
(32) Priority Date :29/10/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/001544
Filing Date :31/10/2011
(87) International Publication No :WO 2012/056203
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ASA ENERGY CONVERSIONS LTD.

Address of Applicant :3rd Floor, Omar Hodge Building,
Wickhams Cay I, P.O. Box 362, Road Town, Tortola, British
VIRGIN ISLANDS

(72)Name of Inventor :

1)STEYN, Rian

(57) Abstract :

A process and apparatus for converting a mixture of hydrogen and carbon monoxide to hydrocarbons comprising reacting the hydrogen and carbon monoxide at elevated temperature and pressure in contact with a suitable catalyst in a reactive distillation column is disclosed.

No. of Pages : 38 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1658/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A CONTROLLER FOR USE WITH A MECHANICAL SWITCH

(51) International classification :H01H9/02,H01H23/14,F21V23/04
(31) Priority Document No :1019930.5
(32) Priority Date :24/11/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/052311
Filing Date :24/11/2011
(87) International Publication No :WO 2012/069837
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)C.P. ELECTRONICS LIMITED
Address of Applicant :Brent Crescent, Greater London NW10 7XR, U.K.
(72)Name of Inventor :
1)MANS, Paul

(57) Abstract :

Embodiments of the present invention relate to a controller (1) for use with a mechanical switch (2). The controller (1) comprises at least one sensor (9), an actuator and at least one attachment member (5) suitable for attaching the controller (1) to the mechanical switch (2) such that the actuator is brought into contact with the mechanical switch (2). The actuator is arranged to operate the mechanical switch (2) in response to a signal from the at least one sensor (9), in use.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.324/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : MEMBRANE FOR REVERSE OSMOSIS

(51) International classification	:B01D63/02	(71)Name of Applicant :
(31) Priority Document No	:102012006320.2	1)MANFRED VÖLKER
(32) Priority Date	:28/03/2012	Address of Applicant :MEISENWEG 1, 63825
(33) Name of priority country	:Germany	BLANKENBACH, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANFRED VÖLKER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Reverse-osmosis modules, each containing a module tube with a module bottom and a module lid, and a reverse osmosis membrane arranged in the module tube and comprising a permeate collection tube, are characterized in that the reverse osmosis membrane has a fixed predetermined diameter and a length selected from predetermined length values.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.339/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A CLAMPING DEVICE DISPOSABLE OVER A SPHERICAL BALL JOINT JOINING SPACED APART COMPONENTS IN A SPACE FRAME STRUCTURE

(51) International classification	:F16C	(71)Name of Applicant :
(31) Priority Document No	11/06	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGION CAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE,SALT LAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PILLARISETTI MEHER LAKSHMI PRASAD
(62) Divisional to Application Number	:NA	2)MOHAMED MUNEER KONTHEDATH MADATHIL
Filing Date	:NA	3)PUSHPA YADAV

(57) Abstract :

The invention relates to a clamping device disposable over a spherical ball joint joining spaced-apart components in a space frame structure, the device comprising a plurality of, - shape clamps welded over two horizontal tubular members of the spherical ball joint, and further jointed to a plurality of tension bars by means of bolts, lock nut, spring washer, each joint on the top chord and at bottom chord is strengthened, wherein a plurality of transverse space frame pipes are joined together at the space ball joint with the clamps and tension bar on both sides.

No. of Pages : 24 No. of Claims : 8

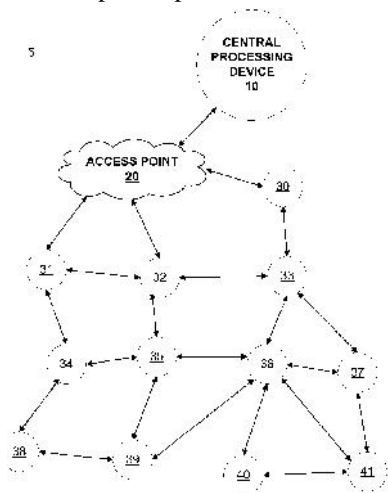
(54) Title of the invention : SYSTEMS FOR DETECTING, COLLECTING, COMMUNICATING, AND USING INFORMATION ABOUT ENVIRONMENTAL CONDITIONS AND OCCURRENCES

(51) International classification :H04L29/08,G01D4/00,G08B25/00
 (31) Priority Document No :12/942,449
 (32) Priority Date :09/11/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/056866
 Filing Date :19/10/2011
 (87) International Publication No :WO 2012/064474
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)LANDIS+GYR INNOVATIONS, INC.
 Address of Applicant :30000 Mill Creek Avenue Alpharetta, Georgia 30022 UNITED STATES OF AMERICA
 (72)Name of Inventor :
1)CHASKO, Stephen, J.

(57) Abstract :

Systems and methods are disclosed for identifying and providing warnings of tornados, hurricanes, earthquakes, and other environmental occurrences. Temperature, pressure, seismic activities and other environmental conditions are measured with improved granularity using sensors at multiple locations. More extensive distribution of sensors is enabled using existing networks, such as utility (e.g., gas and electricity) meter networks. Network traffic is improved by screening information locally so that only limited information is sent for central processing. A given location, for example, may compare its own and its neighbors measurements against a profile to identify the probable existence of a tornado before sending a message to a central processing device. Upon receiving such a message and possibly other information (e.g., other messages or weather service information), a central device may send notifications to specific facilities that an environmental occurrence may be occurring, for example, notifying specific residences in the expected path of a tornado.



No. of Pages : 31 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1612/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND DEVICE FOR FINDING NEAREST NEIGHBOR

(51) International classification :G06F17/30,G06K9/46,G06K9/62
(31) Priority Document No :PA 2010 70560
(32) Priority Date :17/12/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050487
Filing Date :15/12/2011
(87) International Publication No :WO 2012/079588
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)IVISYS APS

Address of Applicant :Fruebjergvej 3, DK-2100 Copenhagen

DENMARK

(72)Name of Inventor :

1)CHEHAIBER, Moatasem

(57) Abstract :

The present invention relates to a method and a device for finding nearest neighbor. In particular, it relates to a sorting, searching and matching multiple dimensional data, such as vectors, in order to find the nearest neighbor. The method is particularly useful as part of a SIFT algorithm.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.277/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : ANALYSIS RESULT PROVIDING SYSTEM, SAMPLE ANALYZING SYSTEM, ANALYSIS RESULT PROVIDING APPARATUS, SAMPLE ANALYSIS RESULT PROVIDING METHOD, AND STORAGE MEDIUM

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:2012-081896	1)SYSMEX CORPORATION
(32) Priority Date	:30/03/2012	Address of Applicant :5-1, WAKINOHAMA-KAIGANDORI
(33) Name of priority country	:Japan	1-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0073 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KOSHIMURA, NAOTO
(87) International Publication No	: NA	2)FUJITA, KYOZO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An analysis result providing system comprising, a sample analyzing section which analyzes a sample collected from a subject, a validation section which validates an analysis result obtained by the sample analyzing section, an e-mail sending section which sends, when an analysis result of the sample collected from the subject has been validated by the validation section, an e-mail for providing the analysis result; and a handheld device which is carried by the subject and which is capable of receiving the e-mail sent by the e-mail sending section and displaying a content of the e-mail.

No. of Pages : 58 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.401/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYNCHRONOUS REGULATION CIRCUIT FOR TURN-ON AND TURN-OFF PHASE ANGLE OF THE AC VOLTAGE

(51) International classification	:h02m	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TAI-HER YANG
(32) Priority Date	:NA	Address of Applicant :NO.59, CHUNG HSING 8 ST., SI-HU
(33) Name of priority country	:NA	TOWN, DZAN-HWA, R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TAI-HER YANG
(87) International Publication 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 synchronous regulation circuit for turn-on and turn-off phase angle of the AC voltage, wherein a solid switch unit is installed between an AC power source and a load, and a phase angle regulation circuit is utilized to synchronously regulate both of the turn-on phase angle and turn-off phase angle of the solid switch unit, so that the sine waveform voltage of the AC power source can be kept to output in symmetrical waveforms within the range in which the turn-on and turn-off phase angles being synchronously regulated.

No. of Pages : 50 No. of Claims : 10

(54) Title of the invention : REPAINTING HEAD FOR CIRCULAR LIDS

(51) International classification :B05B12/00,B05B13/02,B05B15/06
 (31) Priority Document No :P201031569
 (32) Priority Date :27/10/2010
 (33) Name of priority country :Spain
 (86) International Application No :PCT/ES2011/070382
 Filing Date :26/05/2011
 (87) International Publication No :WO 2012/056065
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)INDUSTRIAS PEÑALVER, S.L.
 Address of Applicant :Poligono Industrial El Tapiado,
 Albaricoque, s/n, E-30500 Molina de Segura (Murcia) SPAIN
 (72)Name of Inventor :
1)PEÑALVER GARCÍA ,José

(57) Abstract :

The repainting head is designed to be installed on a workbench of a repainting machine for repairing circular lids. It is characterized in that it comprises a repainting device (1) moveable by means of an elevation device (2), this repainting device (1) having a main rotary shaft (13) to which are attached one/two axial shafts (18) on which are mounted one/two painting arms (19) that are constrained to rotate with the main rotary shaft (13). Each repainting arm (19) is connected to the respective painting gun (20), the distance of which from the geometric centre of the main rotary shaft (13) is variable, each arm (19) rotating about the axial shaft (18), the required position of each repainting arm (19) being set using anchoring means that prevent any relative movement between the main rotary shaft (13) and the axial shaft (18).

No. of Pages : 30 No. of Claims : 27

(54) Title of the invention : GRANULAR FORMULATION OF FUNGAL AND BACTERIAL BIOCONTROL AGENTS WITH ENHANCED SHELF LIFE FOR THE CONTROL OF SOIL BORNE DISEASES AND BIOFERTILITY

(51) International classification :A01G13/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)ITC LIMITED

Address of Applicant :37, J.L.NEHRU ROAD, KOLKATA - 700 071, STATE OF WEST BENGAL, INDIA.

(72)Name of Inventor :

1)LINGAIAH RUDRESH, DODDAMAVATHUR

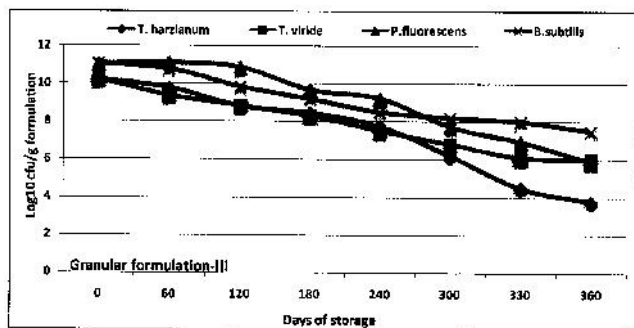
2)NAKUL ANAMIKA

3)KAREMPUDI PAVANI

4)SHARMA NAVIN

(57) Abstract :

The invention relates to a granular bio-control composition having enhanced shelf-life comprising (i) at least one beneficial biocontrol agents, which colonizes the rhizosphere of the crops; (ii) at least one suitable membrane stabilizer; (iii) at least one slow release nutrient; (iv) a suitable binder; and (v) at least one osmoprotectant. The invention provides a process for the preparation of the granular biocontrol agent comprising the steps of growing the biocontrol agent in suitable liquid medium and concentrating the cells and spore suspension by centrifugation; suspending the concentrated suspension in 0.01M phosphate buffer; mixing the cell suspension with combination of osmoprotectants (15-40% of total dry weight of formulation), PVP (0.5-5%), water-absorbent material (0.1-0.5%), sodium alginate (1-5%), granulator(5-20%) and slow release nutrients (30-60%) to form dough, mixing the dough with vegetable oil and extruding through hand-held granulator to form long strands cut into 3-5 mm lengths and air drying the granules by passing stream of cool air.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4089/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : MIXING BLADE

(51) International classification	:B28C5/42
(31) Priority Document No	:2012-78711
(32) Priority Date	:30/03/2012
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP12/007336
Filing Date	:11/10/2012
(87) International Publication No	:WO/2013/073187
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KAYABA INDUSTRY CO., LTD.

Address of Applicant :WORLD TRADE CENTER BLDG., 4-1, HAMAMATSU-CHO 2-CHOME, MINATO-KU, TOKYO 105-6111, JAPAN

(72)Name of Inventor :

1)YUTA KAWANO

2)TAIJI HATTORI

3)NAOYA ISHIZAKI

4)TAKAHIRO KOBAYASHI

5)KAZUNORI TANAKA

(57) Abstract :

A mixing blade is formed into a spiral shape by disposing blade plates, which are twisted in a predetermined manner in a circumferential direction of the blade, adjacent to each other in the circumferential direction along an inner wall surface of a mixer drum. Each of the blade plates includes a rib extended in the circumferential direction of the blade.

No. of Pages : 23 No. of Claims : 7

(21) Application No.370/KOL/2012 A

(19) INDIA

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN ANTAGONIST SKIN LIGHTENING COMPOSITION FOR EUMELANIN SYNTHESIS PATHWAY AND MELANOCYTE DENDRICITY

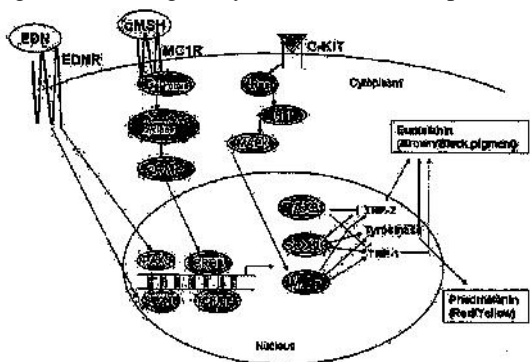
(51) International classification	:C01B33/20
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)NARAYANAPERUMAL, JEYAPARTHASARATHY
2)TEWARI, AMIT
3)KALSI, GURPREET
4)ANTONY, JESUADIMAI IGNATIUS XAVIER
5)SHARMA NAVIN
6)LAKSHMANAN, CHANDRASEKHARAN CHITTUR

(57) Abstract :

The present invention discloses a skin lightening composition comprising isoflavones. The novelty of the invention lies in down regulation of TRP-1, TRP-2 gene expression, cAMP and melanocyte dendricity by isoflavones, specifically 6,7,4'-Trihydroxyisoflavone and 7,8,4'-Trihydroxyisoflavone in Indian skin melanocytes. The present invention does not show any significant change in tyrosinase and microphthalmia-associated transcription factor (MITF) mRNA expression.



No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.80/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : CARD FLAT FOR A CARDING MACHINE, WHICH CARD FLAT HAS A CARRYING MEMBER, WHICH HAS A CLOTHING-HOLDING PART AND A REAR PART

(51) International classification	:B42D15/04
(31) Priority Document No	:102012006557.4
(32) Priority Date	:02/04/2012
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TRÜTZSCHLER GMBH & CO. KG.

Address of Applicant :DUVENSTRASSE 82-92, D-41199

MÖNCHENGLADBACH, GERMANY

(72)Name of Inventor :

1)HERR CHRISTOPH LEINDERS

(57) Abstract :

In a card flat for a carding machine, which card flat has a carrying member, which has a clothing-holding part and a rear part, there being associated with the carrying member two end head parts which slide on a slideway and co-operate with an endless flexible driving element, for example a drive belt, there being provided a drive transfer element which is in engagement with the carrying member and the driving element, an end region of the drive transfer element is fastened in a recess of the end face of the carrying member. In order that the connection between the card flat and drive transfer element can be released by simple means and that the drive transfer element can be re-used, and in order that there is no impairment of the geometry of the carrying member, the drive transfer element is connected to the carrying member in a shape-based connection by fastening means, the fastening means being reversibly releasable.

No. of Pages : 21 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.IN/PCT/2000/444/KOL A

(19) INDIA

(22) Date of filing of Application :25/10/2000

(43) Publication Date : 11/10/2013

(54) Title of the invention : A DELAYED COKING FURNACE

(51) International classification :C10B 21/20

(31) Priority Document No :09/079,889

(32) Priority Date :15/05/1998

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

(86) International Application No :PCT/US1999/07353

Filing Date :01/04/1999

(87) International Publication No :WO 1999/60075

(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)BECHTEL HYDROBARBON TECHNOLOGY
SOLUTION INC.**

Address of Applicant :3000 POST OAK BLVD, IN
HOUSTON, TEXAS 77056 U.S.A.

(72)Name of Inventor :

1)DOERKSEN BRIAN J

(57) Abstract :

A delayed coking furnace comprising an inlet to and an outlet from said furnace, at least one bank of heating tubes connecting said inlet and said outlet in which said bank of heating tubes have adjacent straight tubes, elbow bend fittings composed of approximately 9 percent chromium steel with an interior surface, wherein said bend fittings removably connect said adjacent tubes, and a boron diffusion hardfaced layer from a boron compound applied only on said inner surface of said bend fittings to resist erosion of said bend fittings from impact of said coke particles during decoking.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.380/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A DEVICE SCHEME FOR SWITCHING OF MULTIPLE SHUNT REACTOR BANKS FOR CONDUCTING TESTING OF LOW VOLTAGE(LV)POWER CAPACITORS IN ELECTRICAL DISTRIBUTION SYSTEMS

(51) International classification	:H01F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :REGIONAL TESTING
(33) Name of priority country	:NA	LABORATORY, 1ST FLOOR, CTD WORKSHOP, WBSEB BN
(86) International Application No	:NA	BLOCK ABHIKSHAN BUILDING, SECTOR-V, SALT LAKE
Filing Date	:NA	CITY, KOLKATA-700091 West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR. V. VAIDHYANATHAN
Filing Date	:NA	2)DR. (MRS.) H.N. NAGAMANI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

a device scheme for switching of multiple shunt reactor banks for conducting testing of low voltage (LV) power capacitors in electrical distribution systems, comprising: at least two three-phase externally star-connected reactors (R1,R2); at least one each MCCB (S1,S2) for the reactors (R1,R2);at least one change-over switch (CS) operating between a first position (P1), and a second position (P2); a plurality of cables inter-connecting the device components including the LV- power capacitor; and a low-voltage power source, wherein voltage and current ratings of the device-components are selected based on test voltage (Ut) and test current (It) of the LV power capacitor under test, wherein voltage rating (Ur) and current rating (Ir) of the selected reactors (R1,R2) are considered as the basis for deciding the ratings of the MCCBS, change-over switch, and the connecting cables, and wherein the output voltage and current of the device for multiple switching combinations of the reactors ((R1,R2) are twice the voltage rating (2Ur) and the current rating (Ir) of the reactors (R1,R2) when switched in series with the first MCCB (S1) and the changeover switch (CS) respectively in of state and at first location (P1), when the reactors (R1,R2) switched in parallel with the first MCCB (S1) and the changeover switch (CS) respectively in ON status and at second position (P2).

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.379/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : A ROBOTIC CRAWLER SYSTEM OPERABLE UNDER LFET TO CONDUCT AUTOMATED CORROSION MAPPING OF BOILER WATER WALL TUBES.

(51) International classification	:B60S9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :REGIONAL TESTING
(33) Name of priority country	:NA	LABORATORY, 1ST FLOOR, CTD WORKSHOP, WBSEB BN
(86) International Application No	:NA	BLOCK ABHIKSHAN BUILDING, SECTOR-V, SALT LAKE
Filing Date	:NA	CITY, KOLKATA-700091 West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MR. M. JANARDHANA
Filing Date	:NA	2)R.K. KUMAR
(62) Divisional to Application Number	:NA	3)DR. P. SAMPATHKUMARAN
Filing Date	:NA	4)DR. S. SEETHARAMU

(57) Abstract :

The invention relates to a robotic crawler system operable under low frequency electromagnetic technique (LFET) to conduct automated corrosion mapping of boiler water wall tubes, comprising :at least one low frequency electromagnetic (LEFT) Sensor; a frame structure (1) accomodating the LEFT sensor and allowing the low frequency electromagnetic sensor to move within the frame structure and scan the wall tube panel of the boiler along X-co-ordinate; a plurality of magnetic wheels provided on the frame structure to allow a vertical movement of the system to enable the LEFT-Sensor scanning of the water wall tubes along y-co-ordinates; the crawler providing a movement of the frame along Z-co-ordinate causing the LEFT sensor to move closer or away from scanned weld joints to adjacent boiler tubes for continuous scanning to complete the corrosion mapping of the tubes.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.346/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/03/2013

(43) Publication Date : 11/10/2013

(54) Title of the invention : ENGINE IDLE-SHUTDOWN DEVICE

(51) International classification	:F02N11/08	(71)Name of Applicant :
(31) Priority Document No	:101111754	1)SANYANG INDUSTRY CO.LTD.
(32) Priority Date	:02/04/2012	Address of Applicant :184 KENG TZU KOU,SHANG KENG
(33) Name of priority country	:Taiwan	VILLAGE, HSIN FONG SHIANG, HSINCHU, R.O.C Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHIH TING-WEI
(87) International Publication No	: NA	2)WANG YU-REN
(61) Patent of Addition to Application Number	:NA	3)YEH WEI-CHIH
Filing Date	:NA	4)LIN KUAN-HSU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An engine idle-shutdown device includes an engine, a fuel nozzle, a temperature sensor, an idle indicator, a switch unit, and an engine control unit. The temperature sensor is arranged on an object of a motorcycle for detecting temperature of the object. The idle indicator is electrically connected with the engine control unit such that when the temperature sensor detects a temperature of the object equal or higher than a predetermined temperature, the idle indicator will be lighted. The engine control unit is electrically connected with the idle indicator, the temperature sensor, the fuel nozzle, and the switch unit. When the engine stands in a running state, with the idle indicator lighted and an engine-shutdown command of the switch unit pressed down, the engine control unit outputs a signal to the fuel nozzle to control the engine to flameout. Thereby, a rider can manually operate the switch unit to shutdown the engine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.860/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : COLD-ROLLED STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification

:C22C38/04

(31) Priority Document No

:JP2012-082007

(32) Priority Date

:30/03/2012

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)JFE STEEL CORPORATION

Address of Applicant :2-3,UCHISAIWAI-CHO 2-CHOME,
CHIYODA-KU, TOKYO 100-0011 JAPAN

(72)Name of Inventor :

1)FUNAKAWA, YOSHIMASA

2)KIZU, TARO

(57) Abstract :

An object of the present invention is to provide a cold-rolled steel sheet stably exhibiting excellent formability and an advantageous method for manufacturing the cold-rolled steel sheet. Specifically, the present invention provides a cold-rolled steel sheet having excellent formability, comprising a composition including in mass%, C: 0.010 % to 0.035 % (exclusive of 0.010%); Si: 0.1 % or less; Mn: 0.35 % or less; P: 0.035 % or less; S: 0.02 % or less; N: 0.0060 % or less; Al: 0.005 % to 0.1 %; and the balance as Fe and incidental impurities, wherein provided that [% M] represents content (mass%) of element M in steel, [% Mn]/ [% Al] < 20; ferrite grain diameter in steel is at least 5 µm; and at least 50% of cementite precipitation is present at ferrite grain boundaries.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1617/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR REMOVING SEDIMENT FROM SAND TRAPS

(51) International classification :E02B3/02,E02B8/02,B01D21/24
(31) Priority Document No :20101657
(32) Priority Date :25/11/2010
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2011/000281
Filing Date :03/10/2011
(87) International Publication No :WO 2012/070945
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)JARALA AS

Address of Applicant :Oscar Wistings vei 54, N-7020

Trondheim, NORWAY

(72)Name of Inventor :

1)JACOBSEN, Tom

(57) Abstract :

Method and System for hydraulic removal of sediment in sand traps, where sediment are sucked into slotted pipes (15) arranged near the bottom of the sand trap. The slotted pipes (15) are branched out from connecting pieces (16) where at least two slotted pipes are connected to a common discharge pipe (17) in a direction independent of the orientation of the slotted pipes (15), the slotted pipes (15) being such separated from one another that they can operate mutually independent and still contribute to a mutual balancing of a common under pressure.

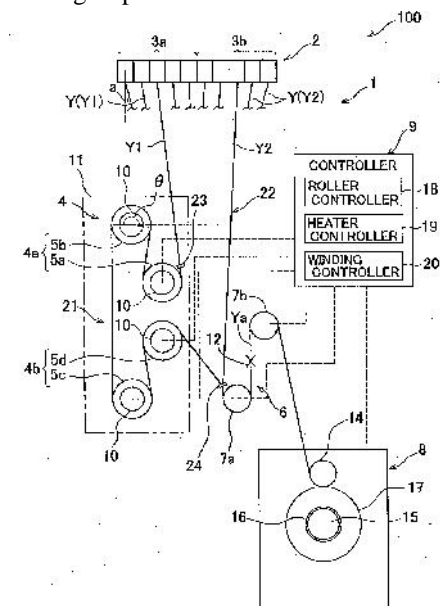
No. of Pages : 16 No. of Claims : 18

(54) Title of the invention : COMBINED FILAMENT YARN PRODUCING APPARATUS

(51) International classification	:D01F6/62	(71)Name of Applicant :
(31) Priority Document No	:2012-073407	1)TMT MACHINERY, INC.
(32) Priority Date	:28/03/2012	Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)ISHIMARU Noriki
Filing Date	:NA	2)MATSUI Masahiro
(87) International Publication 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 combined filament yarn producing apparatus 1 includes a heating roller group 4 that heats and draws yarns Y1 spun out from first spinnerets 3a and includes a plurality of heating rollers 5 and a collecting roller 7 that collects the yarns Y1 sent out from the heating roller group 4 and the yarns Y2 spun out from the second spinnerets 3b. The heating rollers 5 and the collecting roller 7 are provided along a predetermined single plane. Winding angles of the yarns Y1 on the respective heating rollers 5 of the heating roller group 4 are smaller than 360 degrees. In a horizontal direction in parallel to the predetermined single plane, a first separation guide 23 is provided on the collecting roller 7a side of the axes of the heating rollers 5 whereas a second separation guide 24 is provided on the heating roller group 4 side of the axis of the collecting roller 7a.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.349/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 11/10/2013

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

(51) International classification	:G06F15/173	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SOFTWARE AG
(32) Priority Date	:NA	Address of Applicant :UHLANDSTR. 12, 64297
(33) Name of priority country	:NA	DARMSTADT GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SINGH, VIJAYANT
(87) International Publication 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 concerns a method of operating a broker cluster (BC), wherein the broker cluster (BC) comprises a plurality of brokers (B), each of which is connected to each other broker (B) of the cluster (BC) via a network connection, wherein the method comprises the following steps: a. dynamically designating at least one of the brokers (B) as an active broker (BA) and at least one of the brokers (B) as a passive broker (BP) based on a reliability index of the respective brokers (B); and b. receiving data from a first client (C1) of the cluster (BC) and storing the data in only the at least one active broker (BA) of the cluster (BC).

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.384/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN IMPROVED DEVICE AND A METHOD TO CONDUCT A HIGH TEMPERATURE FERROUS BURDEN CHARACTERIZATION

(51) International classification	:C21B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION,JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MRIGANSHU GUHA
(61) Patent of Addition to Application Number	:NA	2)SHIVAJI TIWARY
Filing Date	:NA	3)VILAS D. TATHAVADKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention describes swelling test of multiple iron ore pellets of different chemistry or origin in a non-conventional apparatus which is used for high temperature characterization of iron bearing burden materials and thereby reduce time, cost and resource requirement significantly for such routine quality control test along with additional information on reducibility and comparison of swelling and reducibility between pellet samples under identical conditions. This invention can also be employed for measuring swelling and reducibility of chromite, Mn-ore and other oxide ore pellets and/or agglomerates.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1586/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : HANDRAIL FOR A MOVING WALKWAY

(51) International classification :B66B21/06,B66B23/22,B66B23/24
(31) Priority Document No :A 82/2011
(32) Priority Date :20/01/2011
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000511
Filing Date :22/12/2011
(87) International Publication No :WO 2012/097390
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)INNOVA PATENT GMBH
Address of Applicant :Rickenbacherstra e 8-10, A-6960
Wolfurt AUSTRIA
(72)Name of Inventor :
1)VLASAK, Pavel

(57) Abstract :

The invention relates to a moving walkway (1) or an escalator having a handrail (12) and a guide (16) for the handrail (12). The handrail (12) is moved, driven by motor, along the longitudinal axis thereof, at said guide. The handrail (12) is guided at the guide (16) along an arcuate portion of the guide (16), rotated about the longitudinal axis thereof, whereby it can be guided more easily around curves (3, 4, 5, 6) of a moving walkway (1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1587/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : TRANSDERMAL DRUG DELIVERY SYSTEM AND METHOD OF USING THE SAME

(51) International classification :A61M35/00

(31) Priority Document No :13/164,037

(32) Priority Date :20/06/2011

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

(86) International Application No :PCT/US2012/043126

Filing Date :19/06/2012

(87) International Publication No :WO 2012/177626

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SENJU USA, Inc.

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(72)Name of Inventor :

1)OGAWA, Takahiro

2)ISOWAKI, Akiharu

(57) Abstract :

A transdermal drug delivery system comprising a steroid as an active agent, wherein the steroid may be clobetasol propionate, betamethasone dipropionate, amcinonide, or loteprednol etabonate. The transdermal drug delivery system also comprises a pressure sensitive adhesive layer and a support, wherein the steroid is present in the pressure-sensitive adhesive layer, and wherein the pressure sensitive adhesive layer is provided on a support. The transdermal drug delivery system may be applied onto the eyelid of a patient in need thereof, in order to treat a disease of the eyelid, such as chalazion, blepharitis or meibomian gland dysfunction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1588/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : TITANIUM ALLOY CONTAINING NANOCRYSTALS, AND PROCESS FOR PRODUCING SAME

(51) International classification :C22C14/00,C22F1/18,C22F1/00
(31) Priority Document No :2010-260600
(32) Priority Date :22/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/077445
Filing Date :22/11/2011
(87) International Publication No:WO 2012/070685
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)TOHOKU UNIVERSITY
(72)Name of Inventor :
1)LEE, Sang-Hak
2)ONO, Yoshiki
3)MATSUMOTO, Hiroaki
4)CHIBA, Akihiko

(57) Abstract :

Provided are: a Ti alloy which has high strength, high fatigue strength and reduced hardness and is suitable as a material for various structures including automobiles; and a process for producing the Ti alloy. An alloy of which a processing starting structure is an a martensite phase is subjected to a hot working. The alloy is heated at a temperature rising rate of 50 800°C/sec, wherein the strain rate is set at 0.01-10/sec in a temperature range of 700 to 800°C and is set at 0.1-10/sec in a temperature range of higher than 800°C and lower than 1000°C and the strain is 0.5 or greater. In this manner, it becomes possible to produce equiaxial crystals which have an average crystal grain diameter of smaller than 1000 nm, and it becomes also possible to produce a titanium alloy which has hardness of less than 400 HV and tensile strength of 1200 MPa or more, has excellent static strength and excellent dynamic strength and therefore has high strength, and also has high fatigue resistance properties.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1589/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/32,A61M5/24
(31) Priority Document No	:1051212-7
(32) Priority Date	:18/11/2010
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2011/051391
Filing Date	:18/11/2011
(87) International Publication No	:WO 2012/067583
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HOLMQVIST, Anders

(57) Abstract :

The invention relates to a medicament delivery device comprising a housing arranged to receive a medicament container (20), a drive unit (25) arranged to act on a stopper (27) in said medicament container (20), which drive unit (25) comprises a torsion drive spring (50). A dose setting member (56) is operably connected to said drive unit (25) such that a manual turning of said dose setting member (56) causes a tensioning of said torsion drive spring (50). The device further comprises an activation mechanism (76) having an activation button (94) protruding through the distal end of the device wherein said activation mechanism (76) is operably connected to said drive unit (25) such that actuation of said activation mechanism 1 (76) causes a release of said drive unit (25) whereby a set dose of medicament is delivered.

No. of Pages : 30 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.430/KOLNP/2003 A

(19) INDIA

(22) Date of filing of Application :09/04/2003

(43) Publication Date : 11/10/2013

(54) Title of the invention : PESTICIDAL COMPOSITION

(51) International classification :A01N25/10

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP01/09253

Filing Date :22/10/2001

(87) International Publication No :WO 02/34050

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)ISHIHARA SANGYO KAISHA, LTD

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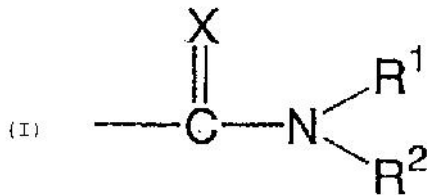
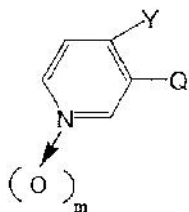
(72)Name of Inventor :

1)MORITA MASAYUKI

2)IWASA MITSUGU

(57) Abstract :

A pesticidal composition comprising a pesticidally effective amount of at least one of a pyridic compound of the formula (I) or its salt and at least one of other pesticides: wherein Y is a haloalkyl group, m is 0 or 1, and Q is or a substituted or unsubstituted heterocyclic group, (wherein X is an oxygen atom or a sulfur atom, R¹- and R² are respectively independently a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted cycloalkyl group, and the like.



No. of Pages : 54 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1651/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : MYCOBACTERIUM ANTIGENIC COMPOSITION

(51) International classification :A61K39/04

(31) Priority Document No :61/422,723

(32) Priority Date :14/12/2010

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

(86) International Application No :PCT/EP2011/072816

Filing Date :14/12/2011

(87) International Publication No :WO 2012/080369

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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BELGIUM

(72)Name of Inventor :

1)GODART, Stephane Andre Georges

2)LAANAN, Amina

3)LEMOINE, Dominique Ingrid

(57) Abstract :

Immunogenic compositions comprising an M72 related antigen, wherein the conductivity of the composition is 13 mS/cm or lower, or the concentration of salts of the composition is 130 mM or lower, and their use in medicine, are provided.

No. of Pages : 67 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1652/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : THRUST SLIDING BEARING AND MOUNTING STRUCTURE OF A STRUT-TYPE SUSPENSION USING SAID THRUST SLIDING BEARING

(51) International classification :F16C17/04,B60G15/06,F16C33/20
(31) Priority Document No :2011-002510
(32) Priority Date :07/01/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/007110
Filing Date :20/12/2011
(87) International Publication No :WO 2012/093450
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)OILES CORPORATION
Address of Applicant :6-34, Kounan 1-chome, Minato-ku,
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(72)Name of Inventor :
1)MORISHIGE, Kouichi
2)KANEKO, Ryohei

(57) Abstract :

A thrust sliding bearing (1) is provided with a synthetic resin lower case (2), a synthetic resin upper case (3) superimposed on the lower case (2), and a synthetic resin thrust sliding bearing piece (4) disposed between the upper case (3) and the lower case (2).

No. of Pages : 32 No. of Claims : 2

(54) Title of the invention : CYLINDRICAL GASKET, METHOD FOR MANUFACTURING SAME, AND INSERTION-TYPE EXHAUST PIPE JOINT USING THE CYLINDRICAL GASKET

(51) International classification	:F16J15/12,F16L21/02	(71)Name of Applicant :
(31) Priority Document No	:2010-285199	1)OILES CORPORATION
(32) Priority Date	:21/12/2010	Address of Applicant :6-34, Kounan 1-chome, Minato-ku,
(33) Name of priority country	:Japan	Tokyo 1080075 JAPAN
(86) International Application No	:PCT/JP2011/006596	(72)Name of Inventor :
Filing Date	:28/11/2011	1)SHIONOYA, Shin-ichi
(87) International Publication No	:WO 2012/086130	2)TAKASAGO, Toshikazu
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cylindrical gasket (23) configured in such a manner that a heat resistant material (1) which comprises expanded graphite and a reinforcement material (2) which comprises a metallic mesh are compressed and entangled so as to be structurally integrated together. The exposed cylindrical inner peripheral surface (19), the exposed cylindrical outer peripheral surface (20), and the exposed axial annular end surfaces (21, 22) of the cylindrical gasket (23) each comprise a surface in which a surface portion which comprises the heat resistant material (1) and a surface portion which comprises the reinforcement material (2) are mixed. In the cylindrical gasket (23), the density of the heat resistant material (1) is in the range of 1.21-1.58 Mg/m³ and the mass of the reinforcement material (2) occupies 50-80% of the total mass of the cylindrical gasket (23).

No. of Pages : 47 No. of Claims : 6

(54) Title of the invention : A SECONDARY AIR PRE-HEATING SYSTEM INTEGRATED WITH AN HOT AIR DISTRIBUTION SYSTEM FOR ACHIEVING LAMINAR FLOW CONDITIONS WHILE ADMINISTERING PREHEATED SECONDARY AIR INTO A DROP TUBE FURNACE

(51) International classification :F23L15/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

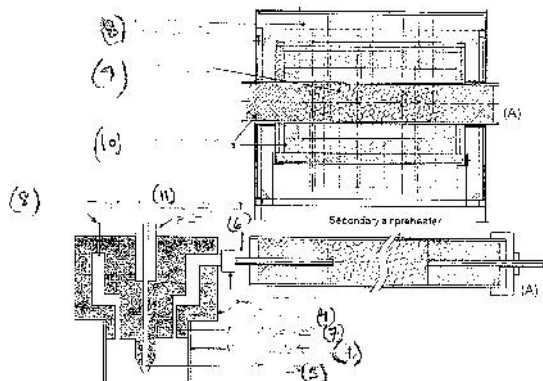
1)MR. V. SARAVANAN

2)MR. R.K. KUMAR

3)DR. S. SEETHARAMU

(57) Abstract :

The present invention relates to a secondary air pre-heating system integrated with an hot air distribution system for achieving laminar flow conditions while administering pre-heated secondary air into a drop tube furnace, comprising: a drop tube furnace (1) flowably attachable to a secondary air pre-heating system, the pre-heating system comprising a secondary pre-heater (2) integrated to a hot air distribution unit (3); the hot air distribution unit (3) provided with a ceramic top block (4) with air exit holes at the bottom of the block (4) to allow an uniform flow of hot air around the primary air (5) being introduced into the unit (3); the secondary pre-heater (2) comprises a re-crystallized alumina tube (6) acting as a flow passage for the secondary air (7); and at least one silicon carbide element (8) for heating the aluminium tube (6) to a temperature between 1200 to 1300°C, wherein the pathway of the secondary air (7) inside the alumina tube (6) is provided with a plurality of ceramic balls to reduce the velocity of the secondary air (7) including increase in the retention time within the tube (6).



No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.520/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/05/2012

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER BUDGET CONTROL APPARATUS

(51) International classification :G01C
(31) Priority Document No :201210100193.9
(32) Priority Date :06/04/2012
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)MISAYO KOBAYASHI

2)SUSUMU IIDA

3)SUSUMU KOBAYASHI

4)MASAKAZU ADACHI

5)RUIQIU GUAN

6)HIROKI KAZUNO

7)TAKESHI SUGIYAMA

(57) Abstract :

A power budget control apparatus includes a power measuring unit for measuring electric power inputted through a power input route extending from a power supplying facility and electric power supplied through power supply routes leading to a plurality of house groups, a memory unit for storing data including power data on the electric power consumed by the house groups in the past, and a control unit for disconnecting the power supply routes in a predetermined sequence if it is determined, based on the electric powers measured by the power measuring unit and the power data stored in the memory unit and a power supply amount of the power supplying facility, that the power supply amount of the power supplying facility is smaller than a power consumption amount of the house groups.

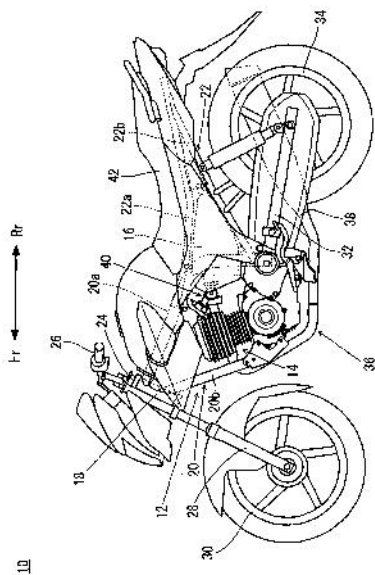
No. of Pages : 43 No. of Claims : 10

(54) Title of the invention : SADDLE-TYPE VEHICLE

(51) International classification	:F02N99/00	(71)Name of Applicant :
(31) Priority Document No	:2012-74084	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:28/03/2012	Address of Applicant :2500, SHINGAI, IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA-KEN, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHINTAROU SATOU
(87) International Publication No	: NA	2)SOICHIRO MATSUMOTO
(61) Patent of Addition to Application Number	:NA	3)HIROYUKI SUZUKI
Filing Date	:NA	4)YOUSUKE ISHIDA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a saddle type vehicle which includes an air cleaner capable of supplying air smoothly to the engine without scarifying the ease of riding on the saddle type vehicle or ease of placing both feet onto the ground. A saddle type vehicle includes a frame, an engine, an air cleaner, an air intake path and a seat. The air cleaner has a case and a filter unit. The case includes a first case portion and a second case portion, being splittable from each other in a left-right direction. The first case portion has a tubular portion for taking air in. The filter unit is at a position more rearward than the air intake path and more forward than an open end of the tubular portion. The filter unit opposes to the open end of the air intake path in a fore-aft direction while, in a plan view, being across a joint region between the first case portion and the second case portion.



No. of Pages : 43 No. of Claims : 5

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257451	4149/DELNP/2004	18/06/2003	19/06/2002	MODULE-LIKE CONSTRUCTED INTERNAL COMBUSTION ENGINE	AVL LIST GMBH	27/11/2009	DELHI
2	257455	6589/DELNP/2007	28/03/2006	01/04/2005	FASTENING BRACKET	STOKKE AS	21/09/2007	DELHI
3	257457	7957/DELNP/2007	30/03/2006	01/04/2005	FERMENTED PROTEIN PRODUCT	HAMLET PROTEIN A/S	09/11/2007	DELHI
4	257460	3915/DELNP/2008	18/10/2006	18/10/2005	METHOD FOR MANUFACTURING HIGH PURIFIED FACTOR IX	GREEN CROSS CORPORATION	11/07/2008	DELHI
5	257461	3396/DELNP/2006	17/12/2004	17/12/2003	IMMUNOGENIC PEPTIDE CARRIER CONJUGATES AND COMPOSITION COMPRISING THE SAME	JANSSEN ALZHEIMER IMMUNOTHERAPY, WYETH LLC,	04/05/2007	DELHI
6	257464	3102/DELNP/2007	25/10/2005	25/10/2004	ISOLATED DOUBLE-STRANDED RIBONUCLEIC ACID (dsRNA)	DEVGEN NV	31/08/2007	DELHI
7	257465	2618/DELNP/2005	01/10/2003	17/12/2002	SYSTEM FOR ENCAPSULATING PACKETS IN A COMMUNICATION SYSTEM	RAYTHEON COMPANY	30/01/2009	DELHI
8	257466	6368/DELNP/2008	09/02/2007	14/02/2006	RESPONSIVE COATED PARTICLES	THE PROCTER & GAMBLE COMPANY	24/10/2008	DELHI
9	257467	8422/DELNP/2007	05/04/2006	31/05/2005	MIXED METAL OXIDE CONTAINING SULFUR	EXXONMOBIL CHEMICAL PATENTS INC,	04/07/2008	DELHI
10	257468	1665/DEL/2008	11/07/2008 15:14:51		A PROCESS FOR PREPARATION OF TRIFLUOROACETYL FLUORIDE	SRF LIMITED	26/09/2008	DELHI
11	257469	533/DEL/2006	28/02/2006		C-3 ALKYL OR ARYLALKYL SUBSTITUTED 2,3-DIDEOXY GLUCOPYRANOSIDES AND A PROCESS FOR PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	12/10/2007	DELHI
12	257470	2233/DELNP/2007	23/08/2005	23/08/2004	'PSYCHOSTIMULANT CONTAINING PHARMACEUTICAL COMPOSITION'	PEJO ISERLOHN HEILMITTEL UND DIAT GMBH & CO KG	03/08/2007	DELHI
13	257472	2986/DELNP/2007	26/10/2005	29/10/2004	CYCLOPENTANE CARBOXYLATE COMPOUNDS AND PROCESS FOR PREPARING THE SAME	CHINA PETROLEUM & CHEMICAL CORPORATION, BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION	17/08/2007	DELHI

14	257473	797/DELNP/2007	03/08/2005	03/08/2004	A FUSION PROTEIN COMPRISING RAGE POLYPEPTIDE, NUCLEIC ACID, ITS VECTOR AND METHOD OF MAKING SAME	TRANSTECH PHARMA, INC.	03/08/2007	DELHI
15	257474	2147/DELNP/2007	02/09/2005	03/09/2004	RECEIVER STRUCTURES FOR SPATIAL SPREADING WITH SPACE-TIME OR SPACE-FREQUENCY TRANSMIT DIVERSITY	QUALCOMM INCORPORATED	03/08/2007	DELHI
16	257475	6639/DELNP/2006	04/05/2005	04/05/2004	AN APPARATUS FOR CONSTRUCTING A PREDICTED PICTURE AND A METHOD THEREOF	QUALCOMM INCORPORATED	31/08/2007	DELHI
17	257476	368/DEL/2002	28/03/2002		FLUID INTERFACE LEVEL MEASUREMENT DEVICE	ENGINEERS INDIA LIMITED	10/06/2011	DELHI
18	257477	1561/DEL/2006	03/07/2006	04/07/2005	MOVABLE POINT CROSSING FROG FOR A RAIL TRACK	VOSSLOH COGIFER	24/08/2007	DELHI
19	257478	3724/DELNP/2005	27/02/2004	13/11/2003	A MOBILE STATION WITH HOME NETWORK PRIORITIZATION FOR NEW SIGNAL RECOVERY OR POWER-ON	RESEARCH IN MOTION LIMITED	14/08/2009	DELHI
20	257479	3412/DELNP/2007	11/11/2005	18/11/2004	DRAWN-TAPES, FIBRE AND FILAMENTS COMPRISING A MULTIMODAL POLYETHYLENE RESIN	INEOS MANUFACTURING BELGIUM NV	31/08/2007	DELHI
21	257480	2159/DEL/2005	12/08/2005		A PROCESS FOR THE MANUFACTURE OF EMBOSSING ROLLERS AND EMBOSSING ROLLERS MANUFACTURED THEREBY	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	31/07/2009	DELHI
22	257481	562/DELNP/2008	07/08/2006	08/08/2005	WIRE COATING COMPOSITION BASED ON NEW POLYESTER AMIDE IMIDES AND POLYESTER AMIDES	E.I.DU PONT DE NEMOURS AND COMPANY	11/07/2008	DELHI
23	257482	1660/DEL/2005	27/06/2005		AN IMPROVED HEAVY DUTY PLATEN MACHINE	SURJEET INDUSTRIES	20/01/2006	DELHI
24	257483	2317/DELNP/2006	29/10/2004	31/10/2003	AN ISOTOPE GAS ANALYZING AND MEASURING APPARATUS	OTSUKA PHARMACEUTICAL CO., LTD.	27/04/2007	DELHI
25	257484	1200/DEL/2004	29/06/2004		AN APPARATUS FOR FEEDING OF BULK SOLIDS TO PULVERISERS	BHARAT HEAVY ELECTRICALS LIMITED	23/06/2006	DELHI
26	257487	1425/DELNP/2007	01/09/2005	10/09/2004	A HYDRAULICALLY ACTIVATED TENSIONING SYSTEM	SCHAEFFLER KG	03/08/2007	DELHI
27	257488	609/DELNP/2006	15/07/2004	12/08/2003	CONVEYOR FOR GRAIN DRYER	CTB INC	31/08/2007	DELHI
28	257489	8171/DELNP/2008	27/02/2007	01/03/2006	POLYMERIZABLE COMPOSITION, RESIN USING SAME, OPTICAL COMPONENT AND LENS	MITSUI CHEMICALS, INC	20/03/2009	DELHI

29	257490	2394/DELNP/2004	13/02/2003	25/02/2002	AUTOMATIC PRECISION PIPETTING DEVICE	STAGO INSTRUMENTS	02/10/2009	DELHI
30	257491	2089/DEL/2005	05/08/2005		AN IMPROVED COUNTER GRAVITY CASTING APPARATUS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	31/07/2009	DELHI
31	257494	5623/DELNP/2006	28/02/2005	26/02/2004	A SYSTEM FOR IMPLEMENTING A RING SERVICE IN THE INSTANT MESAGING COMMUNICATION	TENCENT TECHNOLOY (SHENZHEN) COMPANY LIMITED	24/08/2007	DELHI
32	257498	3288/DELNP/2006	19/11/2004	21/11/2003	PHARMACEUTICAL FORMULATIONS FOR THE PRLONGED RELEASE OF ACTIVE PRINCIPLE (S) AND PROCESS FOR THE PREPARATION THEREOF	FLAMEL TECHNOLOGIES.	24/08/2007	DELHI
33	257499	4292/DELNP/2006	20/01/2005	28/01/2004	POWER SUPPLY DEVICE FOR LOW POWER SWITCHING SENSORS OF A MODULAR SYSTEM	VEGA GRIESHABER KG.	13/07/2007	DELHI
34	257504	01164/DELNP/2003	25/01/2002	25/01/2001	A COATED COLLAGEN CARRIER	NYCOMED PHARMA AS	12/01/2007	DELHI
35	257506	936/DEL/2005	12/04/2005		A TURBINE RING	SNECMA	01/12/2006	DELHI
36	257508	708/DEL/2002	02/07/2002	06/07/2001	A PRESSURIZED GAS CIRCUIT-BREAKER POLE	AREVA T&D SA	09/05/2008	DELHI
37	257509	1243/DELNP/2004	18/12/2002	07/05/2004	A METHOD OF COMMUNICATION OF DATAGRAMS OVER A NETWORK AND AN APPARATUS THEREOF	MOTOROLA MOBILITY, INC.	22/12/2006	DELHI
38	257511	3592/DELNP/2004	13/05/2003	20/05/2002	AN OPTICAL SUBSTRATE AND METHOD OF MAKING THE SAME.	SABIC INNOVATIVE PLASTICS IP B.V.	27/11/2009	DELHI
39	257513	2280/DELNP/2004	27/02/2003	28/02/2002	A ROUTER FOR ROUTING IN VIRTUAL PRIVATE NETWORK AND A NETWORK COMPRISING THE SAME	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	02/10/2009	DELHI
40	257516	590/DEL/2004	24/03/2004		A PROCESS FOR THE PREPARATION OF GERM FRACTION FROM SOY	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	02/06/2006	DELHI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257456	1393/MUM/2009	10/06/2009		METHOD FOR SUCROSE BASED THERMAL STABILIZATION OF ENZYMES FOR BREAKING OF BIOPOLYMER DAMAGE IN AN UNDERGROUND RESERVOIR OF HYDROCARBON WELLS	EPYGEN LABS FZ LLC	11/12/2009	MUMBAI
2	257458	620/MUMNP/2008	15/09/2006	15/09/2005	QUICK DETECTION OF SIGNALING IN A WIRELESS COMMUNICATION SYSTEM	QUALCOMM INCORPORATED	29/08/2008	MUMBAI
3	257459	70/MUMNP/2009	17/08/2001	18/08/2000	A PHARMACEUTICAL COMPOSITION COMPRISING A HIGH MANNOSE GLUCOCEREBROSIDASE (hmGCB)	SHIRE HUMAN GENETIC THERAPIES INC.	15/05/2009	MUMBAI
4	257462	2525/MUMNP/2008	27/04/2007	25/11/2008	A PRIMER FOR DETECTING MYCOBACTERIUM INTRACELLULARE	Wako Pure Chemical Industries, Ltd.	17/07/2009	MUMBAI
5	257486	1484/MUMNP/2007	17/03/2006	18/03/2005	AN APPARATUS FOR COMPRESSION MOLDING OF A BRIQUETTE FOR METAL RAW MATERIAL AND COMPRESSION MOLDING METHOD THEREOF	JTEKT CORPORATION	16/11/2007	MUMBAI
6	257497	757/MUMNP/2008	16/10/2006	14/10/2005	METHODS AND APPARATUS FOR CONTROLLING A BASE STATION'S TRANSMISSION POWER	QUALCOMM INCORPORATED	05/09/2008	MUMBAI
7	257514	2265/MUMNP/2008	30/03/2007	30/03/2006	CYCLIC NATRIURETIC PEPTIDE CONSTRUCTS	PALATIN TECHNOLOGIES, INC.	20/02/2009	MUMBAI
8	257515	2785/MUMNP/2008	31/05/2007	30/12/2008	A METHODS OF SELECTING STEM CELLS FROM A HETEROGENEOUS POPULATION OF CELLS	CELLECT BIOTECHNOLOGY LTD.	17/07/2009	MUMBAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257452	771/CHE/2006	27/04/2006	29/04/2005	A METHOD OF PRODUCING A WHOLE GRAIN SHREDDED FOOD PRODUCT PREPARED FROM NON-GLUTENOUS OR LOW GLUTEN WHOLE GRAINS	KRAFT FOODS GLOBAL BRANDS LLC	15/06/2007	CHENNAI
2	257453	3961/CHENP/2008	29/12/2006	30/12/2005	A PROPIONIC-ACID-COMPRISING COMPOSITION IN SOLID AND ESSENTIALLY PURE FORM	BASF SE	13/03/2009	CHENNAI
3	257454	4014/CHENP/2006	30/04/2004	30/04/2004	PROCESS FOR RECOVERING GALLIUM	NIPPON LIGHT METAL COMPANY, LTD	10/08/2007	CHENNAI
4	257463	2711/CHENP/2004	29/05/2003	31/05/2002	MODELING SIMULATION AND COMPARISON OF MODELS FOR WORMHOLE FORMATION DURING MATRIX STIMULATION OF CARBONATES	SCHLUMBERGER TECHNOLOGY B.V	10/02/2006	CHENNAI
5	257485	3526/CHENP/2006	29/03/2005	02/04/2004	ASYMMETRIC HYDROGENATION PROCESS USEFUL FOR THE PREPARATION OF CYCLOALKANOINDOLE COMPOUNDS	MERCK SHARP & DOHME CORP	15/06/2007	CHENNAI
6	257493	92/CHENP/2008	07/07/2006	07/07/2005	THERMOREVERSIBLE IMMUNO-ADJUVANT EMULSION	SANOFI PASTEUR	19/09/2008	CHENNAI
7	257495	3340/CHENP/2006	17/03/2005	17/03/2004	A PROCESS FOR PREPARING A MULTI-BLOCK COPOLYMER AND THE COPOLYMER OBTAINED FROM THE PROCESS	DOW GLOBAL TECHNOLOGIES LLC	22/06/2007	CHENNAI
8	257496	366/CHE/2008	13/02/2008		AN IMPROVED METHOD OF BISULPHITE MODIFICATION OF DNA FROM LIMITED ARCHIVED, FORMALIN FIXED PARAFFIN EMBEDDED (FFPE) AND FINE NEEDLE ASPIRATE CYTOLOGY	M/S. HEALTHCARE GLOBAL ENTERPRISES LIMITED	11/09/2009	CHENNAI

9	257505	4159/CHENP/2006	11/04/2005	19/04/2004	RECONFIGURABLE PULSE DETECTOR IN WIRELESS COMMUNICATIONS SYSTEM	KONINKLIJKE PHILIPS ELECTRONICS N.V.	22/06/2007	CHENNAI
10	257507	1463/CHE/2004	31/12/2004		A METHOD FOR CONTROLLING OVERLOAD OF MEDIA GATEWAY	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	20/04/2007	CHENNAI
11	257517	1653/CHE/2008	07/07/2008	12/07/2007	COOLING SYSTEM OF ENGINE FOR SMALL-SIZED VEHICLE	HONDA MOTOR CO., LTD.	26/03/2010	CHENNAI
12	257518	686/CHE/2005	03/06/2005	04/06/2004	A SPINNING MACHINE WITH DRAFTING DEVICE DRIVES	MASCHINENFABRIK RIETER AG	27/07/2007	CHENNAI
13	257519	474/CHE/2005	25/04/2005	26/04/2004	V-BELT TYPE AUTOMATIC TRANSMISSION	HONDA MOTOR CO., LTD.	05/10/2007	CHENNAI

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1	257471	3491/KOLNP/2006	14/05/2005	11/06/2004	PROCESS FOR PREPARING AMINO ACIDS USING THE AMIDOCARBONYLATION REACTION (1).	M/S EVONIK DEGUSSA GMBH	15/06/2007	KOLKATA
2	257492	2959/KOLNP/2006	13/04/2005	14/04/2004	APPARATUS AND METHOD FOR CONTROLLING TRANSMISSION POWER IN COMMUNICATION SYSTEMS	Samsung Electronics Co., Ltd.	08/06/2007	KOLKATA
3	257500	1720/KOLNP/2009	31/10/2007	18/11/2006	PROCESS FOR RECOVERING CARBON DIOXIDE	LURGI GMBH	12/06/2009	KOLKATA
4	257501	307/KOL/2006	05/04/2006		A PARTICLE BOARD FROM DATE PALM LEAVES AND METHOD OF PREPARING THE SAME	National Institute of Research on Jute & Allied Fibre Technology, Indian Council of Agricultural Research.	12/10/2007	KOLKATA
5	257502	79/KOL/2008	10/01/2008	30/01/2007	A FUEL CONTROL SYSTEM AND A METHOD OF REGULATING A PURGE FLOW FROM A FUELING SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC	17/04/2009	KOLKATA
6	257503	4668/KOLNP/2007	12/05/2006	13/05/2005	A PROCESS FOR PRODUCING STRUCTURES SUPERIMPOSED ON ONE ANOTHER IN A METAL FOIL SECTION AND AN APPARATUS FOR PRODUCING THE SAME	EMITEC GESELLSCHAFT FUR EMISSIONS-TECHNOLOGIE MBH	15/02/2008	KOLKATA
7	257510	675/CAL/1995	14/06/1995	16/06/1994	INSULIN ANALOG FORMULATIONS	ELI LILLY AND COMPANY	18/11/2005	KOLKATA
8	257512	490/KOLNP/2003	26/10/2001	27/10/2000	DEVICE AND METHOD FOR PRODUCING COLUMNS OF MATERIALS IN THE GROUND OF BODIES OF WATER	VIBROFLOTATION B.V.	11/03/2005	KOLKATA

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