

CONTINUED FROM PART- 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2974/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/315	(71)Name of Applicant :
(31) Priority Document No	:1050409-0	1)SHL GROUP AB
(32) Priority Date	:26/04/2010	Address of Applicant :IP Department, Box 1240,
(33) Name of priority country	:Sweden	Augustendalsvägen 19, S-13128, Nacka Strand Sweden
(86) International Application No	:PCT/SE2011/050458	(72)Name of Inventor :
Filing Date	:14/04/2011	1)HOLMQVIST, Anders
(87) International Publication No	:WO 2011/136718	
(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 medicament delivery device having a longitudinal axis and a transversal axis, wherein the device comprises a proximal and a distal housing part connected to each other and extending along the longitudinal axis, wherein the proximal housing part is arranged to accommodate a medicament container; a drive member rotatable arranged inside the distal housing part and comprising a first circumferentially extending set of interacting means; a threaded plunger rod extending along the longitudinal axis, being rotationally locked through a central passage of the distal housing part and arranged to act on a stopper inside said medicament container; a threaded drive nut threadedly connected to said plunger rod; a turnable dose setting member coaxially arranged around the drive member and rotatably connected to the distal housing part; a torsion spring having a first end connected to the turnable dose setting member and a second end connected to a central hub of the drive member; wherein the hub the torsion spring the turnable dose setting member and the drive member are coaxially arranged about the transversal axis which is generally perpendicular to the longitudinal axis, and in that said threaded drive nut 36 is arranged with second interacting means on its outer surface cooperating with the first circumferentially extending set of interacting means such that when said drive member is forced to rotate by said torsion spring, the drive nut is also rotated whereby the plunger rod is moved in the proximal direction for expelling a dose of medicament.

No. of Pages : 20 No. of Claims : 7

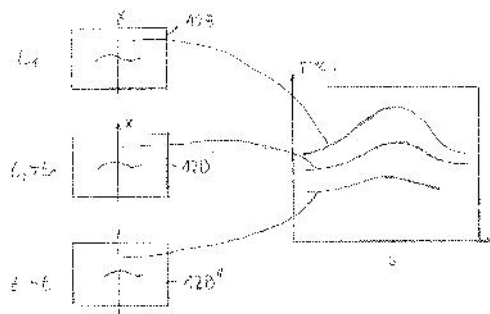
(54) Title of the invention : THERMOGRAPHIC TEST METHOD AND TESTING DEVICE FOR CARRYING OUT THE TEST METHOD

(51) International classification :G01N25/72,G01N21/88,G06T7/00
 (31) Priority Document No :10003756.3
 (32) Priority Date :08/04/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/055386
 Filing Date :07/04/2011
 (87) International Publication No :WO 2011/124628
 (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)TRAXLER Gerhard
2)PALFINGER Werner

(57) Abstract :

In a thermographic test method for the local resolution detection and identification of defects near the surface in a test object, a region of the surface of the test object is heated up, for example inductively. A series of successive thermographic images at time intervals is recorded during a heat propagation phase each thermographic image representing a local temperature distribution in a surface region, recorded by the thermographic image, of the test object. The thermographic images are used to determine temperature profiles assigned to the correct position, wherein each temperature profile assigned to the correct position is assigned to the same measuring region of the surface of the test item. Then, temporal progressions of temperature values are determined from the temperature profiles for a plurality of measuring positions of the measuring region that are recorded by the temperature profiles. These progressions are then evaluated on the basis of at least one evaluation criterion characterizing the heat flow in the measuring region. The method takes into account the heat flow in the region of the defects in question and offers compared to conventional systems, better interference suppression and improved degree of separation between true defects and pseudo-defects.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2976/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR MANUFACTURING FIBRE LAYERS

(51) International classification :B29C70/54,B29C70/38,B29B11/16
(31) Priority Document No :10 2010 015 199.8-26
(32) Priority Date :16/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001931
Filing Date :15/04/2011
(87) International Publication No :WO 2011/128110
(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)KEHRLE Rainer
3)WITZEL Volker

(57) Abstract :

A method for building up a three-dimensional parison for a component from a fibre composite material has the following steps: a) provision (S1) of a die carrier (40) in accordance with the three dimensional design of the parison (31); b) laying (S3) of a fibre sheet (30) by simultaneous laying of a plurality of dry fibres (33) on the die carrier (40) wherein the fibres are fixed intermediately (S3a) optionally in sections; c) fixing (S4) of the fibres (33) at the edge (42) of the die carrier (40); d) repetition of steps b) and c) in accordance with a predefined fibre-sheet laying pattern in order to form the three dimensional parison (31), wherein, after each performance of step d), the raw fibres are cut off (S4a) behind those sections of the fibres which are fixed at the edge of the die carrier and the next performance of step b) takes place after that; and e) after conclusion of the formation of the parison in accordance with the predefined fibre sheet laying pattern in step d) transfer (S14) of the three-dimensional parison (31) from the die carrier (40) to the next production step.

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

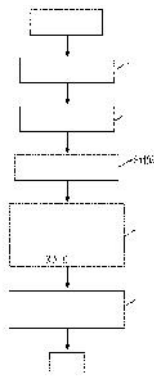
(54) Title of the invention : APPARATUS AND METHOD FOR SPATIAL DIVISION DUPLEX(SDD) FOR MILLIMETER WAVE COMMUNICATION SYSTEM

(51) International classification :H04B7/04,H04W88/02,H04L5/14
 (31) Priority Document No :61/321,235
 (32) Priority Date :06/04/2010
 (33) Name of priority country:U.S.A.
 (86) International Application No :PCT/KR2011/002364
 Filing Date :05/04/2011
 (87) International Publication No :WO 2011/126266
 (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)KHAN, Farooq
2)PI, Zhouyue

(57) Abstract :

An apparatus and method for full duplex millimeter wave mobile wireless communication are provided. The apparatus includes a Spatial Division Duplex(SDD) mobile communication system using millimeter waves the SDD mobile communication system including a first wireless terminal having a first transmit antenna array having a plurality of first transmit antennas for transmitting a spatially beamformed first transmit beam and a first receive antenna array having a plurality of first receive antennas for forming a spatially beamformed first receive beam and a second wireless terminal including a second transmit antenna array having a plurality of second transmit antennas for transmitting a spatially beamformed second transmit beam directed towards a receive beam of the first wireless terminal and a second receive antenna array having a plurality of second receive antennas for forming a spatially beamformed second receive beam directed toward the transmit beam of the first terminal.



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

(54) Title of the invention : METHOD AND APPARATUS FOR ESTABLISHING CONNECTION BETWEEN ENB

(51) International classification :H04W92/20,H04W76/02,H04W36/32
 (31) Priority Document No :201010175819.3
 (32) Priority Date :07/05/2010
 (33) Name of priority country :China
 (86) International Application No :PCT/KR2011/003377
 Filing Date :06/05/2011
 (87) International Publication No :WO 2011/139112
 (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 :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, REPUBLIC OF KOREA
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1)WANG Hong
2)LIANG Huarui
3)XU, Lixiang

(57) Abstract :

A method and an apparatus for establishing a connection between evolved Node Bs (eNBs) are provided. The method includes after finding a new neighboring cell sending by a first network node a first request message carrying information of a third network node to which the neighboring cell belongs to a second network node sending by the second network node a second request message carrying cell information of the first network node to the third network node sending by the third network node a first response message carrying information of the first network node to the second network node and sending by the second network node a second response message carrying cell information of the third network node to the first network node for establishing by the first network node a communication connection between the first network node and the third network node with the cell information of the third network node. The present invention may establish the X2 interface connection between a Relay eNB or a Home eNB (HeNB) and other eNBs and implement the X2 interface based application such as the mobile handover.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2995/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

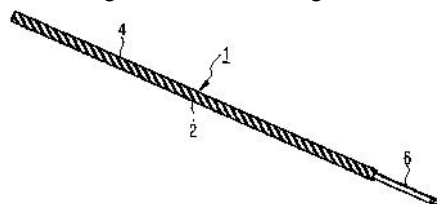
(54) Title of the invention : METHOD FOR PRODUCING STEAMS GENERATOR TUBES

(51) International classification :F22B37/10,F22B37/18,F22B29/06
(31) Priority Document No :EP10164426
(32) Priority Date :31/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/057426
Filing Date :09/05/2011
(87) International Publication No :WO 2011/151135
(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)BRÜCKNER, Jan:
2)EFFERT, Martin
3)FRANKE Joachim
4)KLEMM, Lars:

(57) Abstract :

A method for producing steam generator tubes is intended to allow a technically particularly simple production process and at the same time allow particularly high flexibility with regard to the materials that can be used to achieve a particularly high efficiency of a steam generator. For this purpose an insert is fixed in slots (4) of a former shaft (1) the former shaft (1) with the insert is introduced into a steam generator tube the fixing of the insert on the former shaft (1) is released and the former shaft (1) is removed again from the steam generator tube.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2996/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR PROVIDING GRAPHICAL USER INTERFACE AND MOBILE DEVICE ADAPTED THERETO

(51) International classification	:G06F3/048,H04B1/40	(71)Name of Applicant :
(31) Priority Document No	:10-2010-0037511	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:22/04/2010	Address of Applicant :129 Samsung-ro, Yeongtong-gu,
(33) Name of priority country	:Republic of Korea	Suwon-si, Gyeonggi-do, 443-742 REPUBLIC OF KOREA
(86) International Application No	:PCT/KR2011/002732	(72)Name of Inventor :
Filing Date	:18/04/2011	1)SHIN Hyun Kyung
(87) International Publication No	:WO 2011/132892	2)SHIN Seung Woo
(61) Patent of Addition to Application		3)LEE Bong Won
Number	:NA	4)JONG In Won
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for providing a Graphic User Interface (GUI) and a touch screen based mobile device adapted thereto permit the user to be notified that additional items are available for display. The method preferably includes: determining whether there is an item to be displayed other than at least one item arranged in an item display allocation area; and displaying when there is an item to be displayed an image object shaped as a certain shape at a boundary portion of the item display allocation area at which the item to be displayed is created. The intensity color pattern etc. of the image at the boundary can be varied in accordance with the number and urgency of non displayed items.

No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1086/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TENSION DETECTION APPARATUS FOR LOOM

(51) International classification	:D03D	(71) Name of Applicant :
(31) Priority Document No	:2011-229500	1)TSUDAKOMA KOGYO KABUSHIKI KAISHA
(32) Priority Date	:19/10/2011	Address of Applicant :18-18, NOMACHI, 5-CHOME,
(33) Name of priority country	:Japan	KANAZAWA-SHI ISHIKAWA-KEN 921-8650 JAPAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)MYOGI, KEIICHI
(87) International Publication 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 tension detection apparatus for a loom includes a tension detection roller (1) that extends in a weaving-width direction between a pair of loom frames (F) and around which warp yarns (T) or a woven cloth is wound, a tension detection lever (3) provided on at least one of the loom frames (F) and connected to an end portion of the tension detection roller (1) so as to support the end portion, and a tension detector (5) connected to the tension detection lever (3). The tension detection lever (3) includes a base portion (3a) and an arm portion (3c). The base portion (3a) is rotatably supported on the at least one of the loom frames (F) by means of a first shaft (7) that is parallel to the tension detection roller (1). The arm portion (3c) extends from the base portion (3a) and supports a second shaft (9) that supports the tension detection roller (1). The second shaft (9) extends in the weaving-width direction and is supported by the at least one of the loom frames (F), on which the tension detection lever (3) is supported, at a position different in the weaving-width direction from a position at which the second shaft (9) is supported by the tension detection lever (3).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1088/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POWER SWITCH ACCELERATION SCHEME FOR FAST WAKEUP

(51) International classification	:H01H	(71) Name of Applicant :
(31) Priority Document No	:13/285,269	1)APPLE INC.
(32) Priority Date	:31/10/2011	Address of Applicant :1 INFINITE LOOP, CUPERTINO,
(33) Name of priority country	:U.S.A.	CA 95014, U.S.A.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)TOSHINARI TAKAYANAGI
(87) International Publication No	: NA	2)SHINGO SUZUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method an apparatus for a power switch acceleration scheme during wakeup is disclosed. In one embodiment, an integrated circuit includes at least one power gated circuit block. The power gated circuit block includes a virtual voltage node from which a voltage is provided to the circuitry of the block when active. Power switches are coupled between the virtual voltage node and a corresponding global voltage node. When the power gated circuit block is powered on, power switches are activated sequentially. The rate at which power switches are activated is increased as the voltage on the virtual voltage node increases,. Sequentially activating the power switches may prevent an excess of current inrush into the power gated circuit block. The increase in the rate at which power switches are activated when the voltage on the virtual voltage node is at least at a certain level may allow for a faster wakeup.

No. of Pages : 55 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3040/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : A SELF-ADMINISTRATION MEDICAMENT DELIVERY DEVICE

(51) International classification :A61M5/315
(31) Priority Document No :1050384-5
(32) Priority Date :19/04/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050456
Filing Date :14/04/2011
(87) International Publication No :WO 2011/133089
(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 present invention relates to a medicament delivery device comprising a tubular housing arranged to accommodate a medicament container; a dose setting member being rotatable in relation to the housing for setting a dose to be expelled; a plunger rod arranged to act on a stopper inside said medicament container such that a translational movement of the plunger rod in a proximal direction causes the dose to be expelled; a drive means for converting a rotational movement of the dose setting member into translational movement of the plunger rod; a clock spring arranged transversal in relation to the longitudinal direction of the device and having a first end connected to the dose setting member and a second end connected to a drive member which is interactively connected to the plunger rod, such that the clock spring is tensioned upon rotation of the dose setting member; and a hold and release member releasably connected to the drive member for holding and -releasing the clock spring in-from a tensioned state; wherein the device further comprises activation means having a distal end protruding through a distal passage of the dose setting member, and being interactively connected to the hold and release member such that when said activation means is pushed in the proximal direction, the hold and release member is proximally moved whereby the clock spring is released from its tensioned state forcing said drive member to rotate.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3024/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ANTIBODY RECOGNIZING HUMAN LEUKEMIA INHIBITORY FACTOR (LIF) AND USE OF ANTI-LIF ANTIBODIES IN THE TREATMENT OF DISEASES ASSOCIATED WITH UNWANTED CELL PROLIFERATION

(51) International classification :C07K16/24

(31) Priority Document No :10380049.6

(32) Priority Date :05/04/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/055253

Filing Date :05/04/2011

(87) International Publication No :WO 2011/124566

(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)FOLGUEIRA, Judit Anido

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(57) Abstract :

The invention relates to antibodies directed against human Leukemia Inhibitory Factor (LI F) and to a hybridoma cell line producing said antibodies. The invention also relates to a method for blocking/inhibiting the proliferation of stem cells and to an in vitro method for the diagnosis of diseases associated with unwanted cell proliferation in a subject or for determining the predisposition of a subject to suffer from said disease associated with unwanted cell proliferation or for prognosis of average life expectancy of a subject suffering from said disease. The therapeutic potential of said antibodies is based on observing that the inhibition of LI F can be used in therapeutic compositions for the treatment of diseases associated with unwanted proliferation.

No. of Pages : 66 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3025/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

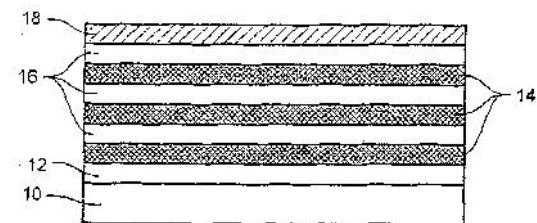
(54) Title of the invention : SLIDING ELEMENT, IN PARTICULAR A PISTON RING, AND METHOD FOR COATING A SLIDING ELEMENT

(51) International classification :C23C28/00,C23C28/04,C23C30/00
(31) Priority Document No :10 2010 002 686.7
(32) Priority Date :09/03/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/052345
Filing Date :17/02/2011
(87) International Publication No :WO 2011/110413
(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)ZINNABOLD, Michael

(57) Abstract :

A sliding element in particular a piston ring preferably made of cast iron or steel has a coating which has a plurality of layers of CrN (14) and a C:H:Me coatings (16) alternately. In a method for coating the sliding element in particular a piston ring preferably made of cast iron or steel a plurality of layers of CrN and a C:H:Me coatings are applied alternately.



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

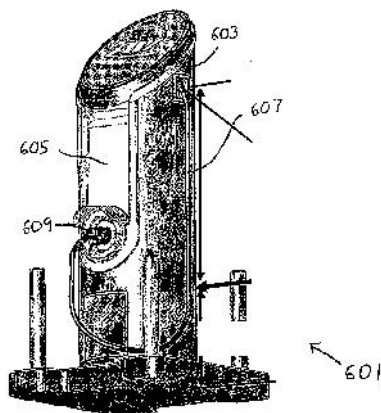
(54) Title of the invention : BREAK-AWAY CABLE CONNECTOR

(51) International classification :H01R13/58
 (31) Priority Document No :61/339,749
 (32) Priority Date :08/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/000433
 Filing Date :08/03/2011
 (87) International Publication No :WO 2011/112247
 (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)BISHOP, Steven, P.
3)TONG, Davy, Ta-yuan
4)PATEL, Atul Kumar, M.
5)NAZARENO, Robert, A.

(57) Abstract :

An electric vehicle charging station having a console a cable and a vehicle connector. The cable is connected with a break away system that allows for a controlled structural failure of one of the cable connections when the vehicle connector is pulled away from the console with a critical level of force. The break away system could be a body positioned along the length of the cable and could be a connection between the cable and either the console or the vehicle connector.



No. of Pages : 61 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3027/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONJUGATION PROCESS OF BACTERIAL POLYSACCHARIDES TO CARRIER PROTEINS

(51) International classification :A61K39/02
(31) Priority Document No :1003922.0
(32) Priority Date :09/03/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/053400
Filing Date :07/03/2011
(87) International Publication No :WO 2011/110531
(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)DUVIVIER, Pierre
3)GAVARD, Ollivier Francis Nicolas

(57) Abstract :

Process for conjugation of bacterial saccharides including Streptococcus pneumoniae and Haemophilus influenzae saccharides by reductive amination are provided herein.

No. of Pages : 54 No. of Claims : 110

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3028/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : 7-(1H-PYRAZOL-4-YL)-1, 6-NAPHTHYRIDINE COMPOUNDS AS SYK INHIBITORS

(51) International classification :C07D471/04,A61K31/4462,A61P19/02
(31) Priority Document No :1007203.1
(32) Priority Date :29/04/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/056600
Filing Date :27/04/2011
(87) International Publication No :WO 2011/134971
(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)ATKINSON, Francis Louis
2)BARKER, Michael David
3)DOUAULT, Clement
4)GARTON, Neil Stuart
5)LIDDLE, John
6)PATEL, Vipulkumar Kantibhai
7)PRESTON, Alexander George Steven
8)WILSON, David Matthew

(57) Abstract :

A compound of formula (I) or a salt thereof; which is an inhibitor of spleen tyrosine kinase (Syk) and therefore potentially of use in treating diseases resulting from inappropriate activation of mast and/or basophil cells macrophages and B cells and related inflammatory responses and tissue damage for instance inflammatory disease and/or allergic disorders and in cancer therapy specifically heme malignancies chronic spontaneous urticaria and autoimmune conditions.

No. of Pages : 81 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3029/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/31
(31) Priority Document No	:1050385-2
(32) Priority Date	:19/04/2010
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2011/050427
Filing Date	:08/04/2011
(87) International Publication No	:WO 2011/133086
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHL GROUP AB

Address of Applicant :IP Department, Box 1240,
Augustendalsvägen 19, S-13128 Nacka Strand Sweden

(72)Name of Inventor :

1)RATJEN, Jochen

(57) Abstract :

Medicament delivery device comprising an elongated housing (10) comprising a grip member (64) connected to the elongated housing and movable between a rest position in which the device has a predetermined grip size and an operation position in which the pre determined grip size of the device is increased for providing an improved grip of the device during use.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1079/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/09/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SPRUNG PIN CONVEYOR ROLLER BEARING

(51) International classification	:F01D	(71) Name of Applicant :
(31) Priority Document No	:13/241,528	1)BLUE ARC ENGINEERING, LLC
(32) Priority Date	:23/09/2011	Address of Applicant :9820 ASSOCIATION COURT,
(33) Name of priority country	:U.S.A.	INDIANAPOLIS, IN 46280, U.S.A.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)BRITT CALLOWAY
(87) International Publication 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 roller bearing end hub has a housing that internally houses a plane bearing, pin, and spring. The spring is biased against the plane bearing which is rotatably connected with the pin. The housing includes two half-housings which are configured to be mated together. The bearing is formed of a shape similar to the housing interior. The pin is smaller than an attached axle stub and the spring does not directly interact with the pin such that the amount of friction between the pin and bearing is minimized.

No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3017/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : OUTDOOR DRY-TYPE TRANSFORMER

(51) International classification :H01F27/32,H01F30/12,H01F27/29
(31) Priority Document No :61/321,852
(32) Priority Date :07/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031114
Filing Date :04/04/2011
(87) International Publication No :WO 2011/126991
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ABB TECHNOLOGY AG
Address of Applicant :Affolternstrasse 44 CH-8050 Zurich, SWITZERLSND
(72)**Name of Inventor :**
1)SINGH, Bandeep
2)HARTMANN, Thomas
3)PAULEY, William, E., Jr.

(57) Abstract :

A three phase dry distribution transformer adapted for mounting outdoors on a pad or to a utility pole. The distribution transformer includes one or more winding assemblies mounted to a ferromagnetic core. Each winding assembly includes a low voltage winding and a high voltage winding. In each winding assembly an encasement comprised of an insulating resin encapsulates the low voltage and high voltage windings. The encasement includes a body and a pair of high voltage bushings and a pair of low voltage bushing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3018/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : FLOWABLE CERAMIC PUTTY

(51) International classification :A61F2/28
(31) Priority Document No :61/329,179
(32) Priority Date :29/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034301
Filing Date :28/04/2011
(87) International Publication No :WO 2011/137231
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WARSAW ORTHOPEDIC, INC.
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Indiana 46581 U.S.A.
(72)**Name of Inventor :**
1)SHIMKO, Daniel, Andrew

(57) Abstract :

The invention relates to a composition comprising an aqueous admixture of ceramic particles polysaccharide a therapeutic agent and optionally a polymer and methods of using the same. The present invention provides a flowable bone void filler for use in medical situations where bone regeneration is desired. In an exemplary embodiment the bone void filler comprises a polysaccharide a ceramic material and a polymer that exhibits thermosetting properties such that it exists as a viscous liquid at room temperatures and as a gel at about body temperature. In another exemplary embodiment the bone void filler comprises a polysaccharide a ceramic material a polymer that exhibits thermosetting properties such that it exists as a viscous liquid at room temperature and as a gel at about body temperatures and a therapeutic agent.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3019/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

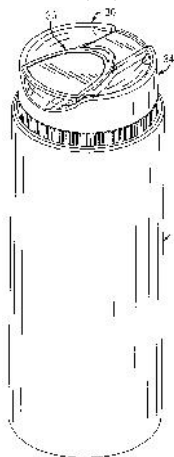
(54) Title of the invention : CLOSURE FOR AN INVERTED CONTAINER

(51) International classification :B67B3/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2010/001092
Filing Date :13/04/2010
(87) International Publication No :WO 2011/129798
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)APTARGROUP, INC.
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(72)**Name of Inventor :**
1)MAZURKIEWICZ, Timothy, M.
2)BEILKE, Stacy, L.
3)STECKER, Anne, F.
4)WISNIEWSKI, John

(57) Abstract :

A closure (30) is provided for a container (32). In one particular embodiment the closure (30) has a base (34) and a lid (36). The base (34) defines a recess (70) having a dispensing orifice (74). On either side of the recess (70) the base (34) has a rim portion (80) that defines a support surface (82). The front region of the base (34) has a sloping front surface (72). The lid (36) has a rear end connected with a connecting structure (40) to the closure base (34) and has a front end with a lid finger lift surface (86). When the lid (36) is closed the front end of the lid (36) is located rearwardly of at least the lower end of the base sloping front surface (72) a major portion of the lid (36) is located between the base rim portions (80) and the lid (36) is located below the support surface (82) of each rim portion (80).



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

(54) Title of the invention : VIRTUAL SWITCHING OVERLAY FOR CLOUD COMPUTING

(51) International classification :H04L12/46,H04L29/08,H04L29/06
 (31) Priority Document No :12/799,557
 (32) Priority Date :27/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/000701
 Filing Date :20/04/2011
 (87) International Publication No :WO 2011/139333
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)CISCO TECHNOLOGY, INC.

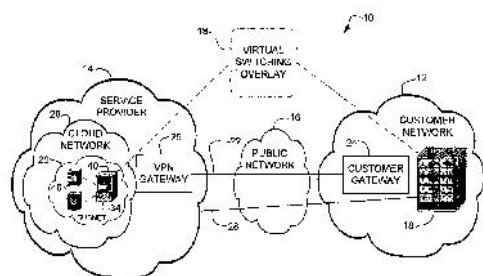
Address of Applicant :170 West Tasman Drive, San Jose, CA 95134-1706 U.S.A.

(72)Name of Inventor :

1)SMITH, Michael

(57) Abstract :

In one embodiment a method includes receiving data at a virtual switch located at a network device in a cloud network. The data is received from an external network and destined for one or more virtual machines located in the cloud network and associated with the external network. The method further includes transmitting the data from the virtual switch to the virtual machines. The virtual switch operates as an access layer switch for the external network and creates a virtual switching overlay for secure communication between the virtual machines and the external network. Logic and an apparatus are also disclosed.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3041/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYNTHESIS AND APPLICATION REACTIVE ANTIMICROBIAL COPOLYMERS FOR TEXTILE FIBERS

(51) International classification :C08G73/04,C08G73/02,C08L79/02
(31) Priority Document No :61/327,774
(32) Priority Date :26/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033842
Filing Date :26/04/2011
(87) International Publication No :WO 2011/139649
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.
Address of Applicant :624 Boyd Graduate Studies Research Center, Athens, GA 30602-7411 U.S.A.
(72)**Name of Inventor :**
1)LOCKLIN, Jason, J.

(57) Abstract :

Embodiments of the present disclosure provide polymer compositions, methods of making polymer compositions, structures (e.g., textile articles) having the polymer composition covalently bonded to the structure, methods of attaching the polymer to the surface of the structure, methods of decreasing the amount of microorganisms formed on a structure, and the like.

No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3042/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTROMAGNETIC FORMING OF METALLIC GLASSES USING A CAPACITIVE DISCHARGE AND MAGNETIC FIELD

(51) International classification :C22F1/00,C22F3/02,C21D1/38
(31) Priority Document No :61/322,209
(32) Priority Date :08/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031804
Filing Date :08/04/2011
(87) International Publication No :WO 2011/127414
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CALIFORNIA INSTITUTE OF TECHNOLOGY
Address of Applicant :1200 E. California Boulevard M/C
201-85, Pasadena CA 91125 U.S.A.
(72)Name of Inventor :
1)JOHNSON, William, L.
2)KALTENBOECK, Georg
3)DEMETRIOU, Marios, D.
4)ROBERT, Scott, N.
5)SAMWER, Konrad

(57) Abstract :

An apparatus and method of uniformly heating, Theologically softening, and thermoplastically forming metallic glasses rapidly into a net shape using a rapid capacitor discharge forming (RCDF) tool in combination with an electromagnetic force generated by the interaction of the applied current with a transverse magnetic field. The RCDF method utilizes the discharge of electrical energy stored in a capacitor to uniformly and rapidly heat a sample or charge of metallic glass alloy to a predetermined process temperature between the glass transition temperature of the amorphous metal and the equilibrium melting point of the alloy in a time scale of several milliseconds or less, at which point the interaction between the electric field and the magnetic field generates a force capable of shaping the heated sample into a high quality amorphous bulk article via any number of techniques including, for example, injection molding, dynamic forging, stamp forging, and blow molding in a time scale of less than one second.

No. of Pages : 38 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3043/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VALIDATING UPDATES TO DOMAIN NAME SYSTEM RECORDS

(51) International classification :G06F15/16
(31) Priority Document No :12/782,227
(32) Priority Date :18/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034415
Filing Date :29/04/2011
(87) International Publication No :WO 2011/146217
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AMAZON TECHNOLOGIES, INC.
Address of Applicant :P.O. Box 8102 Reno, NV 89507
U.S.A.
(72)**Name of Inventor :**
1)MACCARTHAIGH, Colm, G.

(57) Abstract :

Disclosed are various embodiments for validating updates to domain name system (DNS) records. A request is received to modify at least one DNS record associated with a domain owned by a domain owner. The request to modify the at least one DNS record is compared with at least one policy. The at least one policy is configurable by the domain owner. The requested modification to the at least one DNS record is selectively granted based at least upon the comparison.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3044/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : A TUNABLE LASER-BASED INFRARED IMAGING SYSTEM AND METHOD OF USE THEREOF

(51) International classification	:G01J5/02	(71)Name of Applicant :
(31) Priority Document No	:61/322,642	1)NORTHEASTERN UNIVERSITY
(32) Priority Date	:09/04/2010	Address of Applicant :360 Huntington Avenue, 960
(33) Name of priority country	:U.S.A.	Renaissance Park, Boston, MA 02115-5000 U.S.A.
(86) International Application No	:PCT/US2011/031960	(72)Name of Inventor :
Filing Date	:11/04/2011	1)DIEM, Max
(87) International Publication No	:WO 2011/127474	2)DIMARZIO, Charles, A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods, devices, and systems for imaging tissue and other samples or samples using infrared (IR) transmissions from coherent transmission sources, such as a wide range, tunable, quantum cascade laser (QCL) designed for the rapid collection of infrared microscopic data for medical diagnostics across a wide range of discrete spectral increments. The infrared transmissions are transmitted through, reflected from, and/or transreflected through a sample, and then magnified and/or focused prior to being detected by a detector. After detection, the sample related image data is used to assess the sample. Such methods, devices, and systems may be used to detect abnormalities in tissue, for example, before such abnormalities can be diagnosed using art cytopathological methods. The methods, devices and systems may also optionally include a visible light detection subsystem and/or a motion control subsystem to assist in control and processing of imaging.

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

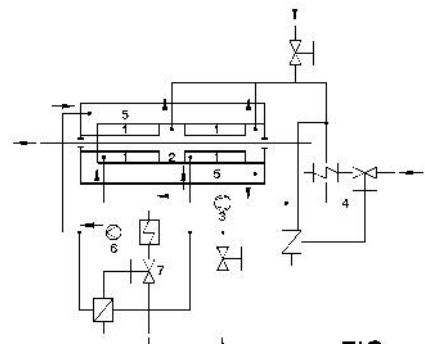
(54) Title of the invention : METHOD AND DEVICE FOR WIRE PATENTING BY RADIATION-CONVECTION HEAT TRANSFER

(51) International classification: C21D1/60, C21D9/52, C21D9/54
 (31) Priority Document No : P201030434
 (32) Priority Date : 24/03/2010
 (33) Name of priority country : Spain
 (86) International Application No : PCT/EP2011/054516
 Filing Date : 24/03/2011
 (87) International Publication No : WO 2011/117336
 (61) Patent of Addition to Application Number : NA
 Filing Date : NA
 (62) Divisional to Application Number : NA
 Filing Date : NA

(71) Name of Applicant :
1) AUTOMAT INDUSTRIAL, S.L.
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 (72) Name of Inventor :
1) PEDROSA DIAZ, Pablo
2) GUERRERO DESIRRE, Marti
3) VIRTO ALBERT, Saturnino Luis
4) ROIG SERRA, Javier

(57) Abstract :

The invention relates to a method and device for cooling a wire for patenting processes, where the device comprises a block of material having a very high thermal capacity with a channel adapted for allowing the passage of a wire to be cooled and at least one conduit for the circulation of a cooling fluid, and it further comprises at least one nozzle capable of injecting a turbulent fluid jet towards the wire to be cooled. The turbulent jet is capable of producing cooling in the time and to the extent necessary for the patenting process, thus overcoming the need for using lead baths.



No. of Pages : 17 No. of Claims : 13

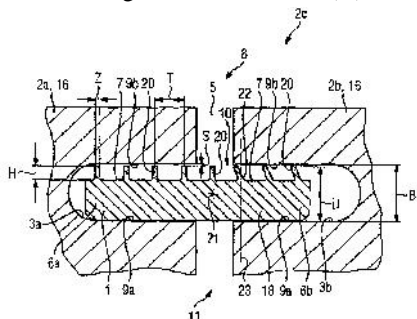
(54) Title of the invention : SEALING ELEMENT FOR SEALING A GAP

(51) International classification :F01D11/00
 (31) Priority Document No :10007222.2
 (32) Priority Date :13/07/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/003495
 Filing Date :13/07/2011
 (87) International Publication No :WO 2012/007158
 (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)Mirko MILAZAR

(57) Abstract :

The invention relates essentially to a sealing element (1) for sealing a gap (5) between two components (2a, 2b), in particular a seal arrangement (2c) of a gas turbine system, wherein the sealing element is elongate along a main line (21) and has a contoured cross section in a corrugated centre region (10). In cross section, the sealing element (1) is directed along the main line (21) and can be deformed in a direction substantially orthogonally with respect to the main line (21). In order to provide a wear-resistant, long-lasting sealing element (1) with a particularly efficient blocking action, it is proposed that the seal teeth (20) of the corrugation have a virtually rectangular cross-sectional contour, the tooth height (H) of which seal teeth is between 10% and 40% of the sealing-element thickness (D) which can be measured parallel to the tooth height (H).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.16/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : SECURE WIRELESS LINK BETWEEN TWO DEVICES USING PROBES

(51) International classification :H04W12/06

(31) Priority Document No :12/871,843

(32) Priority Date :30/08/2010

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

(86) International Application No :PCT/US2011/049589

Filing Date :29/08/2011

(87) International Publication No :WO 2012/030733

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

1)APPLE INC.

Address of Applicant :1 Infinite Loop, Cupertino, California
95014 U.S.A.

(72)**Name of Inventor :**

1)BRADLEY, Bob

(57) Abstract :

A secure wireless communication link (pairing) between two devices can be established using cleartext wireless transmissions between devices not joined to a network (probes). One device can broadcast a first probe indicating that it is seeking to establish a pairing. The other device can respond with a second probe, and the two devices can establish a shared secret, e.g., by exchanging further information using additional probes. Thereafter, either device can send a message to the other by encrypting the message using a cryptographic key derived from the shared secret; encrypted messages can also be sent within probes. The receiving device can extract an encrypted message from a probe and decrypt it using the cryptographic key. The encrypted message can include credentials usable by the receiving device to join a wireless network.

No. of Pages : 55 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.25/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : UNDERWATER OIL AND GAS COLLECTION SYSTEM

(51) International classification :E02B15/04,E21B43/01,B63C7/16
(31) Priority Document No :1011445.2
(32) Priority Date :07/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051273
Filing Date :07/07/2011
(87) International Publication No :WO 2012/004601
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)KIRKBY, Alan Dennis

Address of Applicant :40 Bestwood Street, London Greater London ST8 5AW, U.K.

(72)Name of Inventor :

1)KIRKBY, Alan Dennis

(57) Abstract :

A device for collection of oil and gas from an underwater source comprising a balloon-like structure (1) defined by an envelope having an opening (18), which, in operation, is on the underside of the balloon-like structure, which balloon-like structure includes: a vent (23) adapted to vent gas in the envelope, and control means (2) for controlling the oil upper level having a closure valve (3) adapted to control flow of gas in the envelope through the vent, the valve being closable by a valve closure member operable by a float (8) adapted to float on the oil to determine the minimum volume of gas in the envelope, wherein, in use, the balloon-like structure is adapted to be placed over the source to collect oil and gasses from said underwater source. The balloon-like structure further includes buoyancy means (10, 12, 14, 16, 17) adapted to control the buoyancy of the structure to enable ascent to the surface of the water in a controlled manner. The envelope may be formed of a flexible material to enable it to be collapsed or folded for storage and/or transportation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3071/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : NOVEL METHOD

(51) International classification :C12N7/06,A61K39/12,A61K39/145
(31) Priority Document No :61/330,443
(32) Priority Date :03/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/056762
Filing Date :28/04/2011
(87) International Publication No :WO 2011/138229
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GLAXOSMITHKLINE BIOLOGICALS S.A.
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Rixensart BELGIUM
(72)Name of Inventor :
1)ANDRE, Bruno, Rene
2)CHAMPLUVIER, Benoit, Paul, Suzanne

(57) Abstract :

A method for inactivating an orthomyxovirus propagated in cell culture and/or inactivating contaminating adventitious agents, comprising at least the following steps: (a) treating an orthomyxovirus-containing fluid with an alkylating agent, and (b) irradiating the orthomyxovirus-containing fluid with UV light.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1550/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :14/12/2011

(43) Publication Date : 21/06/2013

(54) Title of the invention : VEHICULAR LATCH DEVICE

(51) International classification	:E05B 65/20	(71) Name of Applicant : 1)MITSUI KINZOKU ACT CORPORATION Address of Applicant :48, KAMOME-CHO, NAKA-KU, YOKOHAMA-SHI, KANAGAWA 2310813, JAPAN
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)WATANABE, HIROFUMI
Filing Date	:NA	2)OKAWA, SHINTARO
(87) International Publication 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 latch device for vehicle LA provided on a door D of a vehicle, including: a latch 20, which meshes with a striker S; a ratchet 30, which regulates rotation of the latch 20; a detecting sensor 200 including a body 201 and terminals 202a and 202b exposed from the body 201, which detects operation of the latch 20 or the ratchet 30; and a main body 40 in which the detecting sensor 200 is arranged, wherein the main body 40 includes a discharging portion 417 formed on a position corresponding to the terminals 202a and 202b of the latch detecting sensor 200, and the terminals 202a and 202b of the detecting sensor 200 are arranged on an upper side of a vehicle than the discharging portion 417 in a state in which the door D is closed.

No. of Pages : 52 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.20/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

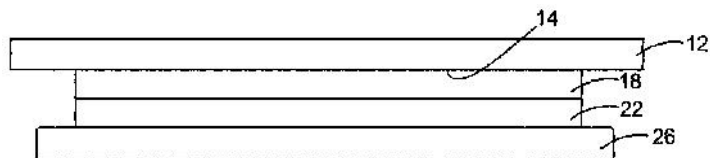
(54) Title of the invention : PHARMACEUTICAL DOSAGE FORM COMPRISING 6'- FLUORO-(N-METHYL- OR N,N-DIMETHYL-)-4-PHENYL -4', 9'-DIHYDRO-3'H-SPIRO[CYCLOHEXANE-1,1'-PYRANO[3,4,B]INDOL]-4-AMINE

(51) International classification :A61K9/14,A61K9/48,A61K31/407
(31) Priority Document No :10 008 116.5
(32) Priority Date :04/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/003909
Filing Date :04/08/2011
(87) International Publication No :WO 2012/016699
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GRÜNENTHAL GMBH
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(72)Name of Inventor :
1)SCHILLER, Marc
2)GRÜNING, Nadja
3)FRIEDRICH, Ingo
4)KIRBY, Chris

(57) Abstract :

The invention relates to a pharmaceutical dosage form for administration twice daily once daily or less frequently which contains 6 fluoro (N methyl or N N dimethyl) 4 phenyl 4 9 dihydro 3 H spiro[cyclohexane 1 1 pyrano[3 4 b]indol] 4 amine or a physiologically acceptable salt thereof.



No. of Pages : 56 No. of Claims : 12

(54) Title of the invention : THRUST SLIDING BEARING

(51) International classification :F16C17/04,F16C33/20,F16C33/74
 (31) Priority Document No :2010-178215
 (32) Priority Date :06/08/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/003406
 Filing Date :15/06/2011
 (87) International Publication No :WO 2012/017591
 (61) 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

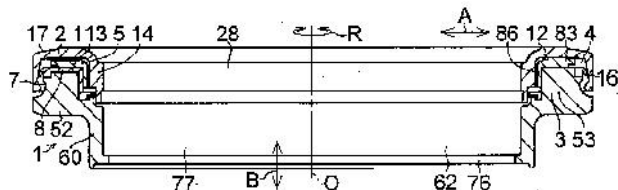
Address of Applicant :6-34, Kounan 1-chome Minato-ku, Tokyo 108-0075 JAPAN

(72)Name of Inventor :

1)MORISHIGE, Kouichi**2)HORIGUCHI, Takashi**

(57) Abstract :

A thrust sliding bearing (1) is provided with: a synthetic resin upper case (2); a synthetic resin lower case (3) which is positioned under the upper case (2) such that the lower case (3) can rotate in the circumferential direction (R) around the center axis (O) of the upper case (2); a synthetic resin thrust sliding bearing piece (5) which is disposed in an annular space (4) between the upper case (2) and the lower case (3); and a synthetic resin sealing member (8). At an annular section at one end the upper case (2) and lower case (3) each communicate with the annular space (4). The sealing member (8) closes sections at the other end that communicate with the outside of an inner circumferential gap (6) and an inner circumferential gap (7) in the radial direction (A) between the upper case (2) and the lower case (3).



No. of Pages : 41 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3135/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS FOR SUPPLYING MULTIPLE BURNERS WITH FINE-GRAINED FUEL

(51) International classification :C10J3/50,B01J3/02,B01J8/00
(31) Priority Document No :10 2010 018 108.0
(32) Priority Date :24/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001928
Filing Date :15/04/2011
(87) International Publication No :WO 2011/131323
(61) 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 UHDE GMBH
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(72)**Name of Inventor :**
1)HACKER, Stefan
2)HAMEL, Stefan
3)KUSKE, Eberhard

(57) Abstract :

The invention relates to a device for supplying a plurality of burners with fine-grained fuel from a storage container, with thermal conversion of solid fuels in a gasification reactor, wherein the storage container is fitted with a discharge cone. According to the invention, the required surplus gas amounts can be reduced and separate discharge cones for each burner line can be dispensed with, without eliminating the decoupling of the burner lines. This is achieved in that the discharge cone (1) is equipped at least in some areas with a gas permeable wall region (6,6) and with at least two solids discharge lines (15) leading to the burners.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3136/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR CLEANING A METERING DEVICE OF A WATER-CHANNELING DOMESTIC APPLIANCE HAVING A STORAGE TANK AND A METERING PUMP

(51) International classification :D06F39/02,D06F33/02,A47L15/44
(31) Priority Document No :10 2010 028 612.5
(32) Priority Date :05/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/055943
Filing Date :14/04/2011
(87) International Publication No :WO 2011/138146
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
Address of Applicant :Carl-Wery-Str. 34, 81739, MÜNchen, Germany
(72)Name of Inventor :
1)SCHULZE, Ingo
2)WITT, Cornelia

(57) Abstract :

A water-channelling domestic appliance 1, which serves in particular as a laundry-treatment appliance for washing and/or drying laundry, comprises a storage tank 15 which serves for accommodating at least one liquid treatment agent, a metering pump 19 which is driven by an electric motor 18 and a control means 23, which serves for activating the electric motor 18 of the metering pump 19. The control means 23 here activates the electric motor 18 of the metering pump 19 during normal operation such that the metering pump 19 delivers the liquid treatment agent out of the storage tank 15 into a treatment region 9. During cleaning operation the control means 23 activates the electric motor 18 of the metering pump 19 at least temporarily such that the electric motor 18 generates an increased torque and/or a varying torque for driving the metering pump 19. It is possible here for the control means 23 to activate the electric motor 18 during cleaning operation with a higher and/or pulsed voltage. This allows cleaning of the metering pump 19 and of further elements of a metering arrangement 16 of the domestic appliance 1. This makes it easier for a user to operate and to clean the metering arrangement 16.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3140/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SOLID FORMS OF (R)-1-(2, 2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2, 3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1-H INDOL-5-YL) CYCLOPROPANECARBOXAMIDE

(51) International classification :C07D405/12,A61K31/404,A61P11/00
(31) Priority Document No :61/317,376
(32) Priority Date :25/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/030032
Filing Date :25/03/2011
(87) International Publication No :WO 2011/119984
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)VERTEX PHARMACEUTICALS INCORPORATED
Address of Applicant :130 Waverly Street, Cambridge, Massachusetts 02139, U.S.A
(72)Name of Inventor :
1)KESHAVARZ-SHOKRI, Ali
2)ZHANG, Beili
3)ALCACIO, Tim, Edward
4)LEE, Elaine, Chungmin
5)ZHANG, Yuegang
6)KRAWIEC, Mariusz

(57) Abstract :

RThe present invention relates to solid forms of (R)-1-(2,2-difluorobenzo[d][1,3]dioxol-5-yl)-N-(1-(2,3-dihydroxypropyl)-6-fluoro-2-(1-hydroxy-2-methylpropan-2-yl)-1H-indol-5-yl)cyclopropanecarboxamide (Compound 1) in substantially crystalline form (Form A) or amorphous form pharmaceutical compositions thereof and methods of treatment therewith.

No. of Pages : 111 No. of Claims : 80

(54) Title of the invention : ROTARY CONNECTOR DEVICE

(51) International classification :H01R35/04
 (31) Priority Document No :2010-078597
 (32) Priority Date :30/03/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/057341
 Filing Date :25/03/2011
 (87) International Publication No :WO 2011/122470
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)FURUKAWA ELECTRIC CO., LTD.

Address of Applicant :2-3, Marunouchi 2-chome Chiyoda-ku, Tokyo 1008322 JAPAN

2)FURUKAWA AUTOMOTIVE SYSTEMS INC.

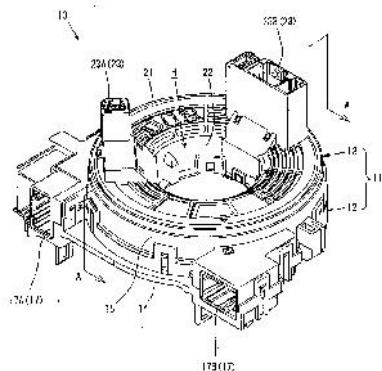
(72)Name of Inventor :

1)ADACHI Ryoichi

2)KAMIYA Kazutaka

(57) Abstract :

Disclosed is a rotary connector device which can greatly reduce the load and contact resistance that a cable receives from a retainer which supports the cable, and which can prevent damage to the cable. The disclosed rotary connector device (10) is configured from: a rotator (13) and a stator (12) which rotate relative to each other; an accommodation space (S) on the interior of the rotator (13) and the stator (12) which accommodates a cable (C), and which has a circular shape in planar view; and a retainer (41) which is provided on the bottom surface of the accommodation space (S). An inner peripheral tube section (22) which forms the inner peripheral surface of the accommodation space (S) is provided on the rotator (13). A rotator side contact section (27) which is in slidable contact with the inner peripheral section of the upper surface of the retainer (41) is provided on the lower section of the inner peripheral tube section (22). A retainer side contact section (47) which is in slidable contact with the lower section of the inner peripheral tube section (22) is provided on the upper surface inner peripheral section of the retainer (41). A protruding contact section (27T, 47T) is provided on at least the rotator side contact section (27) or the retainer-side contact section (47) and protrudes towards the side of the other.



No. of Pages : 32 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3142/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTARY CONNECTOR DEVICE

(51) International classification	:H01R35/04
(31) Priority Document No	:2010-076527
(32) Priority Date	:30/03/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/057340
Filing Date	:25/03/2011
(87) International Publication No	:WO 2011/122469
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)FURUKAWA ELECTRIC CO., LTD.
Address of Applicant :2-3, Marunouchi 2-chome Chiyoda-ku, Tokyo 1008322 JAPAN
2)FURUKAWA AUTOMOTIVE SYSTEMS INC.
(72)**Name of Inventor :**
1)HIRAI Shuji

(57) Abstract :

Disclosed is a rotary connector device which can reduce the amount of foreign bodies which enter an accommodation space. An outer peripheral tube section (15o) of a stator (12) is formed so as to have a larger diameter than an outer peripheral edge section (13a) of a rotator (13), an upper end section (15a) of the outer peripheral tube section (15o) is extended in an upward direction so as to cover a side of the outer peripheral edge section (13a) of the rotator (13), and a gap (P) formed between the stator (12) and the rotator (13) forms an upward opening. Foreign bodies (Z) which enter when a steering lower cover (K) rotates bypass the upper end section (15a) of the outer peripheral tube section (15o) and because the foreign bodies (Z) enter the upward opening gap (P) from the upper part, the foreign bodies (Z) cannot easily directly enter an accommodation space (S), and the amount of foreign bodies (Z) which enter the accommodation space (S) can be reduced.

No. of Pages : 33 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3143/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

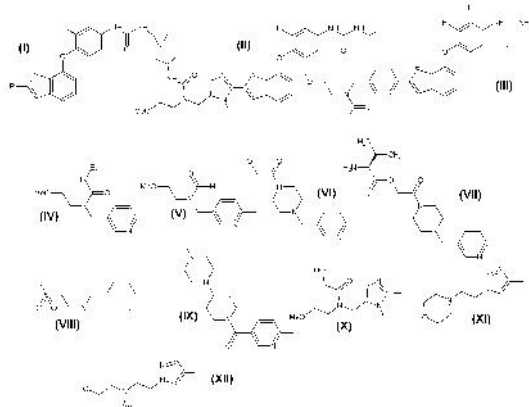
(54) Title of the invention : INHIBITORS OF PROTEIN TYROSINE KINASE ACTIVITY AND USE THEREOF TO TREAT OPHTHALMIC DISORDERS

(51) International classification :C07D495/04,A61K31/4365,A61K31/444
(31) Priority Document No :61/324,803
(32) Priority Date :16/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000390
Filing Date :08/04/2011
(87) International Publication No :WO 2011/127565
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to :NA
Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)METHYLGENE INC.
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1)RAEPPPEL Stéphane
2)ZHAN, Lijie
3)CLARIDGE, Stephen William
4)RAEPPPEL, Franck
5)GAUDETTE, Frédéric
6)VAISBURG, Arkadii

(57) Abstract :

Disclosed are compounds, and compositions of same, that are protein tyrosine kinase inhibitors. The compounds find use in the treatment of ophthalmic diseases, disorders and conditions. Said compounds are of the formulae (I),(II) or (III). Wherein R = (IV),(V),(VI), (VII),(VIII),(IX),(X),(XI) or (XII).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2979/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : HIGH STRENGTH STEEL SHEET HAVING EXCELLENT WARM STAMP FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/00,C21D9/46,C22C38/14
(31) Priority Document No :2010-090796
(32) Priority Date :09/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059459
Filing Date :11/04/2011
(87) International Publication No :WO 2011/126154
(61) 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

(57) Abstract :

Disclosed are: a high-strength steel sheet having excellent hot rolling workability; and a process for producing the steel sheet. A steel material having a chemical composition, comprising in mass%, 0.01 to 0.2% of C, 0.5% or less of Si 2% or less of Mn 0.03% or less of P 0.01% or less of S 0.07% or less of Al and 0.01% or less of N and additionally containing at least one component selected from Ti Nb V Mo W and B is subjected to a hot rolling step and a heat treatment step sequentially wherein the hot rolling step comprises carrying out the hot rolling in which the steel material is heated at a temperature falling within an austenite single phase temperature range and the finish rolling termination temperature is increased to 860°C or higher and winding the steel sheet at a winding temperature of not lower than 400°C and lower than 600°C and the heat treatment step comprises carrying out a heat treatment at a temperature of 650 to 750°C. In this manner it becomes possible to produce a steel sheet having excellent hot rolling workability which has both such an elongation property that the local elongation is larger than the uniform elongation at a test temperature of 400°C or higher and such an elongation property that the ratio of the uniform elongation to the entire elongation is 40% or more at a test temperature of lower than 400°C and which has a structure that is composed of a matrix comprising substantially only a ferrite single phase and an alloy carbide having a size of less than 10 nm and dispersed and precipitated in the matrix without requiring the choice of any variant.

No. of Pages : 42 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3150/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONTINUOUS SURFACE MINING SYSTEM

(51) International classification :E21C25/06

(31) Priority Document No :61/325,067

(32) Priority Date :16/04/2010

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

(86) International Application No :PCT/US2011/032756

Filing Date :15/04/2011

(87) International Publication No :WO 2011/130683

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)JOY MM DELAWARE INC.

Address of Applicant :2751 Centerville Road, Suite 342,
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(72)Name of Inventor :

1)NEILSON, Brad

2)DOHENY, Ted

3)ADAMCZYK, Michael, S.

4)LEEMING, Jez

5)ZIMMERMAN, Joseph ,J.

(57) Abstract :

A surface mining system removes material from a surface mining block that has a substantially vertical and laterally extending mining face. The surface mining system generally includes a miner moveable in a lateral direction along the mining face, a face conveyor extending along the mining face, and conveyor translation devices associated with the face conveyor and operable to move the face conveyor toward the mining face as material is removed. The miner includes a rotating cutting member mounted to an end of a vertically ranging cutting arm and operable to remove material from the mining block. The face conveyor includes a discharge portion and is operable to convey material removed from the mining block toward the discharge portion. Each conveyor translation device includes a secured configuration substantially fixed with respect to the mining face and an unsecured configuration moveable with respect to the mining face.

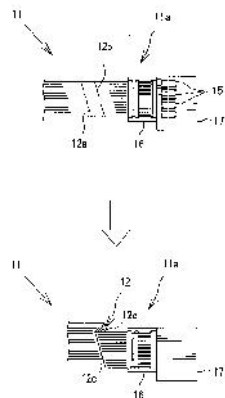
No. of Pages : 37 No. of Claims : 21

(54) Title of the invention : ROTATING CONNECTOR DEVICE

(51) International classification	:H01R35/04,B60R16/027	(71)Name of Applicant :
(31) Priority Document No	:2010-078598	1)FURUKAWA ELECTRIC CO., LTD.
(32) Priority Date	:30/03/2010	Address of Applicant :2-3, Marunouchi 2-chome Chiyoda-
(33) Name of priority country	:Japan	ku, Tokyo 1008322 JAPAN
(86) International Application No	:PCT/JP2011/056876	2)FURUKAWA AUTOMOTIVE SYSTEMS INC.
Filing Date	:23/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/122400	1)HIRAI, Shuji
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number:	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a rotating connector device which prevents abnormal noise generated by contact when a rotator is rotated, without making the structure of the terminal conductor more complicated, and also provides other advantages. A rotating connector device (21) comprises a stator (31) and a rotator (41), and a fixed side cable end housing part (34) which projects in an outwards direction from the outside of the stator (31) and is housed in and supported by a fixed side end moulded part (16) for a flat cable (11) housed inside the connector device (21). A folding part (12) on the fixed-side moulded part (16) end of the flat cable (11) comprising a folded down line (12a) and a folded up line (12b) extending in parallel in a direction intersecting the length direction of the flat cable (11), folds so as to shorten the length of the flat cable (11) in the lengthwise direction and slides the fixed-side terminal (11a) in the width direction of the flat cable (11).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1082/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :19/08/2009

(43) Publication Date : 21/06/2013

(54) Title of the invention : VACUUM PUMP CHECK VALVE

(51) International classification	:A61F	(71) Name of Applicant :
(31) Priority Document No	:2008-255775	1)YAMADA MANUFACTURING CO., LTD.
(32) Priority Date	:30/09/2008	Address of Applicant :2757, HIROSAWA-CHO 1-CHOME,
(33) Name of priority country	:Japan	KIRYU-SHI, GUNMA-KEN Japan
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)KAI, KEIICHI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a vacuum pump check valve for use as a power source of a power braking device or the like of automobiles and so on which can be produced with minimal components, has an extremely compact overall configuration, and is able to create a high vacuum state. This vacuum pump check valve includes: a valve member configured from a substantially discoid valvular planar portion, and tabular and elastic connecting planar portions having a substantially circular elbow-shaped bend and formed circumferentially around the valvular planar portion at a substantially equal distance from each other in the same shape, a nonmetallic elastic seal member being formed to cover at least an outer circumference of the valvular planar portion; and a pump housing in communication with a pump chamber via a suction passage and having a valve chest with a suction opening formed therein. With this vacuum pump check valve, an outer end portion of the connecting planar portion is fixed inside the valve chest, and the elastic seal member is closed by coming in contact with a peripheral portion of the suction opening.

No. of Pages : 43 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2999/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTARY ELECTRIC MACHINE

(51) International classification	:H02K3/50
(31) Priority Document No	:2010-080760
(32) Priority Date	:31/03/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/001838
Filing Date	:28/03/2011
(87) International Publication No	:WO 2011/121983
(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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8323,JAPAN

(72)**Name of Inventor :**

1)KONDOU Toshinari

2)YASUDA Yoshiki

3)YAMAGIWA Akio

(57) Abstract :

A motor (1) is provided with a drive shaft (60) a rotor (40) attached to said drive shaft (60) and a stator (20) which has an approximately cylindrical stator core (30) provided around the outer circumference of said rotor (40) and multiple coil units (21, 22, 23) wound around said stator core (3) in a distributed manner. The stator core (30) is configured from three stator core partitions (31) arranged in the circumference direction and each coil unit (21, 22, 23) is arranged so as not to span any two of the three partition stator cores (31). The coil end (21E) of at least one of the multiple coil units (21, 22, 23) is configured so as to penetrate further inside than the inner circumference of the stator core (30).

No. of Pages : 28 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.30/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BACKPACK TYPE FIREFLIGHTING DEVICE AND CONTAINER THEREFOR

(51) International classification	:A61M 11/00	(71)Name of Applicant : 1)ADVANCED FIREFIGHTING TECHNOLOGY GmbH
(31) Priority Document No	:11000244.1	Address of Applicant :Heggenkamp 15 49163 Bohmte
(32) Priority Date	:13/01/2011	Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:NA	1)ROTHBUCHER Bernhard;
Filing Date	:NA	2)ROHER Mathias;
(87) International Publication No	: NA	3)LINNÉR Fredrik;
(61) Patent of Addition to Application Number	:NA	4)KOLLMANN Robert;
Filing Date	:NA	5)RANSTL Franz;
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A container for a backpack type firefighting device to be strapped on a back of a user is described. The container comprises a medium reservoir having at least one medium tank of an essentially round cylindrical shape and adapted to store a pressurized fire extinguishing me-dium, and a shell portably housing the medium reservoir and adapted to be connected to a strap system. A center of gravity of the medium reservoir is located such that it is closer to its region facing the strap system than to its lateral regions.

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

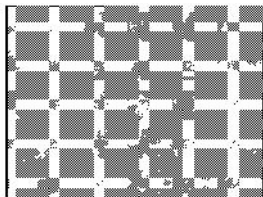
(54) Title of the invention : PREPARATION OF A SOLID CATALYST SYSTEM

(51) International classification :C08F10/00,C08F4/659,C08F4/6592
 (31) Priority Document No :10162239.7
 (32) Priority Date :07/05/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/056702
 Filing Date :28/04/2011
 (87) International Publication No :WO 2011/138212
 (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)MUSTONEN, Marja
3)ELO, Pertti
4)SEVERN, John
5)DENIFL, Peter

(57) Abstract :

Process for the preparation of a solid catalyst system comprising the steps of generating an emulsion by dispersing a liquid clathrate in a solution wherein (i) the solution constitutes the continuous phase of the emulsion and (ii) the liquid clathrate constitutes in form of droplets the dispersed phase of the emulsion, solidifying said dispersed phase to convert said droplets to solid particles and optionally recovering said particles to obtain said catalyst system, wherein the liquid clathrate comprises a lattice being the reaction product of aluminoxane, an organometallic compound of a transition metal of Group 3 to 10 of the Periodic Table (IUPAC 2007) or of an actinide or lanthanide, and a further compound being effective to form with the aluminoxane and the organometallic compound the lattice, and a guest being an hydrocarbon compound, and the solution comprises a silicon fluid and a hydrocarbon solvent.



Light microscope picture from septa bottle having heptane washed catalyst system. Catalyst system was formed from silicon oil emulsion. (Catalyst of example 4)

No. of Pages : 50 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.12/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : LAMINATED FILM AND PACKAGE

(51) International classification :B32B27/18,B65D65/40,B65D81/26
(31) Priority Document No :2010-161334
(32) Priority Date :16/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004037
Filing Date :14/07/2011
(87) International Publication No :WO 2012/008165
(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)MARUMO, Tsuyoshi
2)SASAKI, Kenta

(57) Abstract :

Provided is a laminated film with excellent oxygen absorbing ability. The laminated film (100) is provided with an oxygen-absorbing layer (150), a first adjacent layer (140), and a second adjacent layer (160). The oxygen-absorbing layer (150) contains an oxygen absorber and an oxygen absorption reaction catalyst. The first adjacent layer (140) is laminated in contact with one of the surfaces of the oxygen absorbing-layer (150). The second adjacent layer (160) is laminated in contact with the other surface of the oxygen-absorbing layer (150). The content of the oxygen absorption reaction catalyst is between 100 ppm and 5000 ppm in terms of the weight ratio with respect to the oxygen-absorbing layer (150). The total content of an oxidation inhibitor of the first adjacent layer (140) and an oxidation inhibitor of the second adjacent layer (160) is 800 ppm or less in terms of the weight ratio with respect to the total amount of the two abovementioned layers (the first adjacent layer (140) and the second adjacent layer (160)).

No. of Pages : 68 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2980/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD OF MANUFACTURING ARTIFICIAL STONE

(51) International classification :C04B28/08,C02F11/00,C04B7/19
(31) Priority Document No :2010-104844
(32) Priority Date :30/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060801
Filing Date :28/04/2011
(87) International Publication No :WO 2011/136395
(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)WATANABE Keiji
3)YABUTA Kazuya
4)HONDA Hideki
5)HAYASHI Masahiro
6)MATSUMOTO Takeshi
7)SUZUKI Misao
8)HAYASHIDO Yasushi

(57) Abstract :

Disclosed is a method for stably producing an artificial stone material having a strength equal to or higher than a semi hard stone using large amounts of mud such as dredged spoil. When producing the artificial stone material by hydration hardening of a mixed material containing mud and a binder, the mixed material satisfies the following conditions (a)-(c). (a) The mixed material contains 40 percent by volume or more of mud per 100 percent by volume of the mixed material. (b) The binder is composed of at least one component selected from a group consisting of blast furnace slag micropowder blast furnace slag micropowder added with an alkaline stimulant portland blast furnace slag cement and ordinary portland cement. (c) The amount of the binder has a mass ratio of 1.7 times or more relative to soil particles (solid content) in the mud and satisfies (mass of the blast furnace slag micropowder + mass of lime powder + mass of hydrated lime + mass of ordinary portland cement $\times 2$)/(mass of water in the mixed material) < 2.0 and when further blending fly ash as a part of the binder satisfies (mass of the blast furnace slag micropowder + mass of lime powder + mass of hydrated lime + mass of ordinary portland cement $\times 2$ + mass of fly ash $\times 0.35$)/(mass of water in the mixed material) 1.5.

No. of Pages : 48 No. of Claims : 9

(54) Title of the invention : METHOD FOR PURIFYING WATER BY CYCLIC IONIC EXCHANGE

(51) International classification :C02F1/42,C02F1/44,B01D35/00
 (31) Priority Document No :61/330,737
 (32) Priority Date :03/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/034836
 Filing Date :02/05/2011
 (87) International Publication No :WO 2011/139984
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)BROTECH CORP., D/B/A PUROLITE

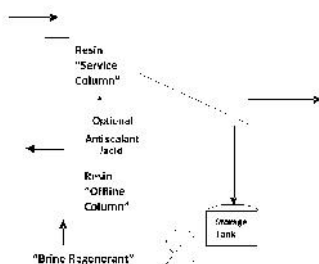
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(72)Name of Inventor :

1)BOODOO, Francis

(57) Abstract :

The present invention provides a method for purifying or softening water comprising: passing a specific volume of feedwater through at least one service column comprising a strong acid cationic exchange resin capable of binding divalent cations that are present in the feedwater, wherein the loading of the divalent cations on the resin is restricted to about 1 to 25% of the available ion exchange sites on the resin, and the total dissolved solids in the feedwater is greater than 100 mg/l; feeding the water exiting the service column to a reverse osmosis membrane or a nanofiltration membrane to produce permeate water stream and a reject water stream; and passing all or some of the volume of the reject stream corresponding the specific volume of feedwater through at least one off- line column capable of binding monovalent cations; wherein the chemical equivalent ratio of monovalent to divalent cations in the water exiting the service column is greater than 20 to 1; wherein no external source of regenerant salt is used. The inventive method allows for multiple softening/regeneration cycles so that steady state hardness leakage is achieved that is lower than obtainable with conventional ion exchange softening systems.



No. of Pages : 38 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3144/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR RECYCLING RARE METALS

(51) International classification :C22B11/00,B01J20/22,B01J39/04
(31) Priority Document No :2010-098090
(32) Priority Date :21/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059840
Filing Date :21/04/2011
(87) International Publication No :WO 2011/132740
(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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(57) Abstract :

Disclosed is a system and method for recycling rare metals, which separates and collects rare metals by making use of chemical actions in an efficient combination of adsorption and separation, thereby reducing work load and improving work safety. The method for recycling rare metals includes a leaching step in which a rare metal of palladium, platinum and rhodium is mixed with hydrochloric acid into a hydrochloric acid mixture, which is then stirred at one atmospheric pressure or lower at a temperature from 50 to 90 degrees Centigrade. The vapor resulting from the stirring is condensed, and the hydrochloric acid resulting from the condensing is fed back to the original hydrochloric acid mixture to produce a hydrochloric acid leaching solution. The hydrochloric acid leaching solution produced in the leaching step is used to collect the rare metals.

No. of Pages : 34 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3145/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : GOLF TRAINING APPARATUS

(51) International classification :A63B57/00

(31) Priority Document No :61/318,172

(32) Priority Date :26/03/2010

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

(86) International Application No :PCT/US2011/028865

Filing Date :17/03/2011

(87) International Publication No :WO 2011/119412

(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)BOWMAN, Michael G.

2)BOWMAN, Randy B.

(57) Abstract :

Novel tools and techniques for teaching a player the proper alignment when addressing a golf ball. In one aspect, such tools and techniques provide an alignment aid that allows the player to visualize both the intended target line of the shot as well as the position of the ball relative to the player's stance, allowing the player to easily modify his stance to obtain the proper alignment.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3146/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROLLING BEARING UNIT WITH ENCODER FOR SUPPORTING DRIVE WHEEL

(51) International classification :B60B35/02,F16C19/18,F16C33/76
(31) Priority Document No :2010-165014
(32) Priority Date :22/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/052479
Filing Date :07/02/2011
(87) International Publication No :WO 2012/011297
(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)INOHAE, Jyunya

2)KANEKO, Yoshio

3)NAGANO, Masato

(57) Abstract :

A structure is realized which can prevent a flat- plate-portion (21) of a cover (19a) from being distorted or deformed in the axial direction when a cylindrical portion (20) of the cover (19a) for blocking an axial inner end opening of an inner space (17) in which an encoder (1) is installed is securely fitted into an axial inner end portion of an outer ring (7). On the entire circumference of an axial inner end portion of the cylindrical portion (20), formed is a non- contact portion (26a) which has an outer diameter less than the inner diameter of the axial inner end portion of the outer ring (7) and an axial size (L) that is equal to or greater than two times the thickness size (t) of the plate member constituting the cover (19a). Then with the cover (19a) fitted in the axial inner end portion of the outer ring (7), the cylindrical portion (20) is fitted into the axial inner end portion of the outer ring (7) substantially by interference fit only of a portion that is located axially outward with respect to the non contact portion (26a).

No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3148/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ADVANCING LONGWALL SYSTEM FOR SURFACE MINING

(51) International classification :E21C25/06
(31) Priority Document No :61/325,070
(32) Priority Date :16/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032761
Filing Date :15/04/2011
(87) International Publication No :WO 2011/130688
(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)ADAMCZYK, Michael, S.
3)DALTON, Peter
4)ZIMMERMAN, Joseph, J.

(57) Abstract :

A surface mining system for removing material from a mining face generally includes a conveyor extending substantially parallel to the mining face, a miner supported by and moveable along the conveyor, and a conveyor translation device associated with the conveyor and operable to move the conveyor and the miner toward the mining face. A method for advancing a surface mining longwall system generally includes moving the longwall shearer along a face conveyor operating load translation devices to move the face conveyor and the longwall shearer toward the mining face, resetting a first group of load translation devices and then resetting a second group of load translation devices. A load translation device generally includes an actuator, a ground drilling device coupled to and moveable with a portion of the actuator, and a frame coupled to and moveable with another portion of the actuator.

No. of Pages : 40 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3152/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

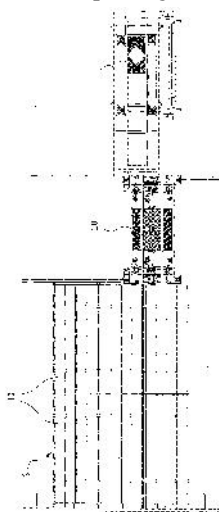
(54) Title of the invention : PARKING APPARATUS

(51) International classification :E04H6/34,E04H6/12,B66F7/00
(31) Priority Document No :10-2010-0034848
(32) Priority Date :15/04/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002694
Filing Date :15/04/2011
(87) International Publication No :WO 2011/129644
(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)PARK, Yong-Cheol

(57) Abstract :

The present invention relates to a parking apparatus. The main components of the parking apparatus of the present invention comprise: a palette on top of which vehicles are mounted and which installs multiple rows onto a single parking row; a lift on top of which the palette is mounted, and which moves in a vertical direction; and a transport carriage which pushes the palette mounted on the lift into the preset parking row such that the vehicle on the palette can be parked, or loads the palette in the parking row onto the lift; and a palette transport device which pulls the palette in the front row adjacent to the transport carriage from among the palettes arranged into multiple rows in the parking row, such that the palette in the back row can move forward together with the palette in the front row, or which pushes the palette on the transport carriage into the parking row, such that the palette in the back row can move backward together with the palette on the transport carriage. According to the present invention, a bent piece of a palette is axially coupled to a bent piece of the opposite palette between rollers of the palettes such that the palette moves together with the opposite palette in a lengthwise direction, thereby arranging two or more palettes into multiple rows in a parking lot and thus enlarging a parking lot.



No. of Pages : 45 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3153/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONVEYOR SYSTEM FOR CONTINUOUS SURFACE MINING

(51) International classification :E21C27/20,E21C35/08,E21C35/24
(31) Priority Document No :61/325,061
(32) Priority Date :16/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032760
Filing Date :15/04/2011
(87) International Publication No :WO 2011/130687
(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)ZIMMERMAN, Joseph, J.

(57) Abstract :

A side shifting conveyor is provided for a surface mining operation. The conveyor generally includes conveyor sections and conveyor translation devices. Each conveyor translation device includes a drive operable to move the associated at least one conveyor section in a direction substantially perpendicular to the conveying direction. The conveyor further includes a controller operatively coupled to each drive for controlling operation of the drive and coordinating movement of the conveyor sections. A method for moving a conveyor in a surface mine generally includes sensing that a surface miner operable to deposit material onto the conveyor sections has moved beyond one of the conveyor sections, fixing a position relative to the surface mine of a conveyor translation device associated with one of the conveyor sections, and operating the conveyor translation device to move one of the conveyor sections in a direction substantially perpendicular to the conveying direction.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3154/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONFECTIONERY PRODUCT AND METHODS OF PRODUCTION THEREOF

(51) International classification :A23G3/00,A23G3/54,A23G4/20
(31) Priority Document No :1004900.5
(32) Priority Date :23/03/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/050592
Filing Date :23/03/2011
(87) International Publication No :WO 2011/117639
(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)SAKANISHI, Hideki
5)SUTARIA, Devang
6)BEAM, Matthew, Allan
7)GEBRESELASSIE, Petros

(57) Abstract :

The present invention relates to a confectionery product including an extruded body portion; and a plurality of capillaries disposed in the extruded body portion, in which the body portion includes a mixture of confectionery compositions, particularly, a hard candy composition and a chewing gum composition. The invention also relates to a process of manufacturing the same.

No. of Pages : 95 No. of Claims : 95

(54) Title of the invention : REFINED DISTRIBUTOR UNIT

(51) International classification :B65B35/12,B65B59/04,B65B5/10
 (31) Priority Document No :MI2010A000552
 (32) Priority Date :31/03/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/EP2011/053803
 Filing Date :14/03/2011
 (87) International Publication No :WO 2011/120790
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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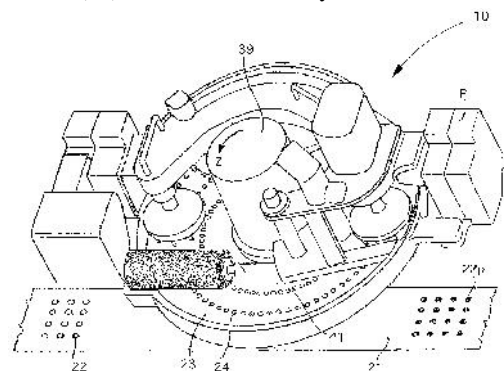
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(72)Name of Inventor :

1)BARONCINI, Ivano

(57) Abstract :

Refinements made to distributor units (10) which serve to continuously transfer and position tablets or pills in organized alveoli (22) in an advancing strip (21), the advancing strip (21) presenting its alveoli (22) on each occasion in correspondence with holes (24) normally organized positioned radially in a distributor disk (23). The distributor disk (23) has zero setting means (41), and is associated with means which supply the rotation motion (30; 38 ; 39) by means of intermediate means (25). The intermediate means (25) are connected stably to the distributor disk (23) and detachably to the means which supply the motion (38; 39).



No. of Pages : 19 No. of Claims : 22

(54) Title of the invention : OPENING-CLOSING-TYPE BASKET

(51) International classification :B62J9/00,B65D21/08

(31) Priority Document No :2010-092402

(32) Priority Date :13/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/002102

Filing Date :08/04/2011

(87) International Publication No :WO 2011/129082

(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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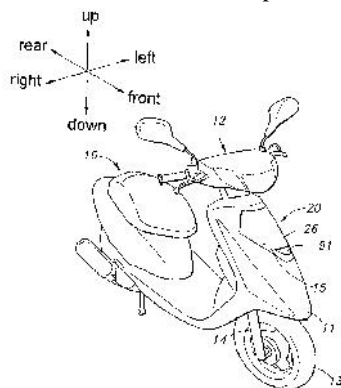
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(72)Name of Inventor :

1)FUKAZAWA Kuniyasu

(57) Abstract :

Provided is an openable basket which can maintain an unfolded state and can also realize large accommodation capacity in the unfolded state. The openable basket comprises a case (21), a tray (22), a support plate (23), and an elastic hook (50). The case (21) includes an opening (36) formed at one side thereof, and the other side of the case (21) is closed by an inner wall part (34). The tray (22) is supported in the case in such a way that the tray (22) can move between a predetermined protrusion position and a retraction position, and the tray (22) includes a cover (63) which closes the opening when the tray (22) is in the retraction position. The base end part of the support plate (23) is pivotably supported by the tray. The elastic hook (50) is disposed at the inner wall part and is capable of locking a free end part of the support plate. When the tray is in the retraction position, the free end part of the support plate is kept away from the elastic hook due to the free end part being restrained by the inner wall part. When the tray is in the protrusion position, the free end part of the support plate can be near the elastic hook and the free end part is locked by the elastic hook therefore preventing the tray from moving to the retraction position.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3158/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF 3-(6-(1-(2, 2-DIFLUOROBENZO[D][1, 3]DIOXOL-5-YL) CYCLOPROPANECARBOXAMIDO)-3-METHYLPYRIDIN-2-YL)BENZOIC ACID AND ADMINISTRATION THEREOF

(51) International classification :A61K9/16,A61K9/20,A61K9/28
(31) Priority Document No :61/321,748
(32) Priority Date :07/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031519
Filing Date :07/04/2011
(87) International Publication No :WO 2011/127241
(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)KAUSHIK, Ritu, Rohit
4)KADIYALA, Irina, Nikolaevna
5)YOUNG, Christopher, Ryan

(57) Abstract :

A pharmaceutical composition comprising Compound 1, (3-(6-(1-(2,2- difluorobenzo [d] [1,3] dioxol-5- y1) cyclopropanecarboxamido)-3- methylpyridin-2-y1)benzoic acid), and at least one excipient selected from: a filler,a diluent a disintegrant, a surfactant, a binder, a glidant and a lubricant, the composition being suitable for oral administration to a patient in need thereof to treat a CFTR mediated disease such as Cystic Fibrosis. Methods for treating a patient in need thereof include administering an oral pharmaceutical formulation of Compound 1 to the patient.

No. of Pages : 144 No. of Claims : 91

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3159/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SOLID FORMS OF 3-(6-(1-(2, 2-DIFLUOROBENZO[D][1, 3]DIOXOL-5-YL) CYCLOPROPANECARBOXAMIDO)-3-METHYLPYRIDIN-2-YL)BENZOIC ACID

(51) International classification :A61K9/16,A61K9/20,A61K9/28
(31) Priority Document No :61/321,729
(32) Priority Date :07/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031588
Filing Date :07/04/2011
(87) International Publication No :WO 2011/127290
(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)KRAWIEC, Mariusz

(57) Abstract :

The present invention relates to a substantially a solid form of 3-(6-(1-(2,2- difluorobenzo[d][1,3]dioxol-5-yl) cyclopropanecarboxamido)-3- methylpyridin-2-yl)benzoic acid (Compound 1, Solvate Form A and Compound 1, HCl Salt Form A) processes for making such forms pharmaceutical compositions thereof, and methods of treatment therewith.

No. of Pages : 82 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3160/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METAL SHEET FOR SEPARATOR OF PROTON-EXCHANGE MEMBRANE FUEL CELL

(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	:H01M8/02,H01M8/10 :2010-099922 :23/04/2010 :Japan :PCT/JP2011/060338 :21/04/2011 :WO 2011/132797 :NA :NA :NA :NA	(71) Name of Applicant : 1)JFE STEEL CORPORATION Address of Applicant :2-3,Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 JAPAN (72) Name of Inventor : 1)NISHIYAMA Naoki 2)ISHIKAWA Shin 3)UJIRO Takumi 4)KATO Yasushi
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(57) Abstract :

Disclosed is a low contact resistance, low cost metal plate optimal as a separator in a solid polymer fuel cell and having excellent durability in environments where separators are employed. Specifically, the metal plate for use as a solid polymer fuel cell separator has a film comprising an Sn alloy layer on the surface of a metallic substrate, and contains conductive particles in said film.

No. of Pages : 82 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3161/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : FABRIC SOFTENING COMPOSITION

(51) International classification :C11D1/62,C11D1/835,C11D3/20
(31) Priority Document No :10161296.8
(32) Priority Date :28/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056185
Filing Date :19/04/2011
(87) International Publication No :WO 2011/134835
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)EVONIK DEGUSSA GMBH
Address of Applicant :Rellinghauser Strasse 1-11, 45128
Essen, Germany
(72)Name of Inventor :
1)KÖHLE, Hans-Jürgen
2)KOTTKE, Ulrike
3)WENK, Hans Henning
4)JAKOB, Harald

(57) Abstract :

The invention relates to a textile softening composition, comprising, as component A, a tertiary or quaternary ammonia salt of formula (I) or (II): $R_1R_2R_3N+CH_2CHR_4OC(=O)R_5$ X-(I) $R_1R_2R_3N+(CH_2)_3NHC(=O)R_5$ X-(II), where R1 is hydrogen, methyl, or ethyl, R2 and R3 independently of each other are C1-4 alkyl or C 2-4 hydroxyalkyl, R4is hydrogen or methyl, R5 is a linear C15-21-alkyl-or-alkenyl radical, and X-is a monovalent Anion, and as component B a non-ionic softening agent having only one long- chain hydrocarbon radical bonded to a polar radical having at least one free hydroxy group, wherein fatty alcohol alkoxylate or fatty acid alkoxylate are excepted as component B, demonstrating good softening effect and forming shelf stable dispersions if the molar ratio of component A to component B is in the range from 2:1 to 1:3, the difference between the average chain length of the long chain hydrocarbon radicals of components A and B is no greater than 2 carbon atoms and the hydrocarbon radicals of components A and B comprise on average no greater than 0.5 double bonds per hydrocarbon radical. Such a composition can be produced by converting a fatty acid, a C2-6- diol or C3-9- polyol, and a tertiary alkanol amine or a diamine having tertiary and primary amino groups at a suitable molar ratio while removing water and carrying out subsequent alkylation or protonation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1473/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :23/12/2009

(43) Publication Date : 21/06/2013

(54) Title of the invention : SLOW RELEASE PHARMACEUTICAL COMPOSITIONS OF ILOPERIDONE

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUPIN LIMITED
(32) Priority Date	:NA	Address of Applicant :LUPIN LIMITED, 159 CST ROAD,
(33) Name of priority country	:NA	KALINA, SANTACRUZ (EAST), MUMBAI-400 098, STATE
(86) International Application No	:NA	OF MAHARASHTRA, INDIA AND ALSO HAVING A
Filing Date	:NA	PLACE OF BUSINESS AT 1/1, SASHI SHEKHAR BOSE
(87) International Publication No	: NA	ROAD, KOLKATA-700 025, STATE OF WEST BENGAL,
(61) Patent of Addition to Application Number	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)BHUTADA, PRAVIN, MEGHRAJJI
Filing Date	:NA	2)CHANDRAN SAJEEV
		3)DESHMUKH, ASHISH, ASHOKRAO
		4)KULKARNI SHIRISHKUMAR

(57) Abstract :

A slow release pharmaceutical composition comprising iloperidone or its active metabolites and a slow release agent is described. Also disclosed is slow release pharmaceutical composition comprising iloperidone or its active metabolites, wherein the slow release composition is a combination of a controlled release composition and an immediate release composition.

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

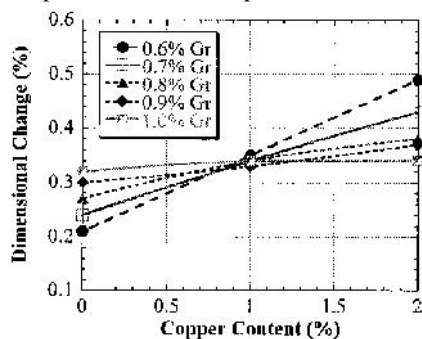
(54) Title of the invention : COMPOSITIONS AND METHODS FOR IMPROVED DIMENSIONAL CONTROL IN FERROUS POWDER METALLURGY APPLICATIONS

(51) International classification :B22F9/08,C22C33/02
 (31) Priority Document No :61/346,259
 (32) Priority Date :19/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/036774
 Filing Date :17/05/2011
 (87) International Publication No :WO 2011/146454
 (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)LINDSLEY Bruce

(57) Abstract :

Iron based powder metallurgical compositions including both iron copper prealloy and copper powder are described. These compositions when compacted and sintered result in compacts having good dimensional consistency.



No. of Pages : 19 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3004/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

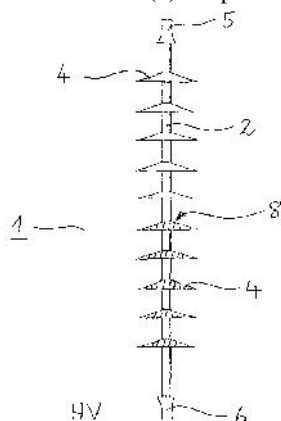
(54) Title of the invention : COMPOSITE INSULATOR

(51) International classification :H01B17/32,H01B17/42
(31) Priority Document No :10 2010 021 882.0
(32) Priority Date :28/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002627
Filing Date :27/05/2011
(87) International Publication No :WO 2011/147583
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LAPP INSULATORS GMBH
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(72)**Name of Inventor :**
1)HINRICHSEN, Volker:
2)SEIFERT, Jens

(57) Abstract :

Disclosed is a composite insulator (1) comprising a core (2) in particular made of a fiber reinforced duromer and a protective layer (8) which surrounds said core (2) and is made in particular of an insulating elastomer. In some sections especially on the bottom side of screens (4) the protective layer (8) specifically comprises particles (7) that influence the field of the insulator (1).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3005/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : IMPROVED COMPACTION METHODS

(51) International classification :B22F3/02,B22F3/12,C22C33/02
(31) Priority Document No :61/332,431
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035472
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140417
(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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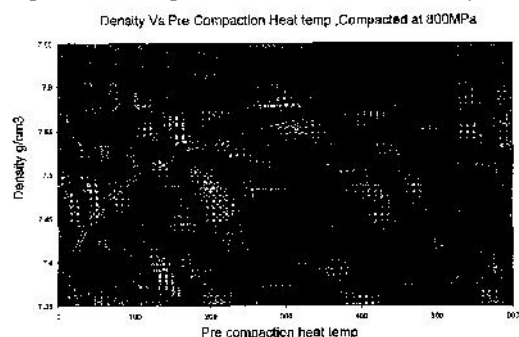
Address of Applicant :1001 Taylors Lane, Cinnaminson, NJ 08077, U.S.A

(72)Name of Inventor :

1)NARASIMHAN, Kalathur, S.

(57) Abstract :

The present invention is directed to improved compaction techniques for use in powder metallurgical applications using lower temperatures and pressures than are traditionally used in the field.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3173/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NON-CONTINUOUS BONDING OF SPUTTERING TARGET TO BACKING MATERIAL

(51) International classification :C23C14/34,H01J37/34
(31) Priority Document No :10005319.8
(32) Priority Date :21/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058335
Filing Date :23/05/2011
(87) International Publication No :WO 2011/144759
(61) 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
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1)SHIN, Jong-Won
2)MARGADANT, Nikolaus
3)LEITNER, Klaus

(57) Abstract :

A target assembly comprising- a support body having a carrying surface;- a sputtering target having an attaching surface, said carrying surface and said attaching surface being arranged in opposing facing relation to one another, thereby defining an intermediate space between said carrying surface and said attaching surface; and - a bonding material disposed in the intermediate space for binding said attaching surface to said carrying surface,- wherein distinct areas of one or both of said attaching surface and said carrying surface are selectively, superficially treated to enhance the bonding strength of said bonding material in said distinct areas.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3174/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COMPOSITIONS AND METHODS OF IDENTIFYING TUMOR SPECIFIC NEOANTIGENS

(51) International classification :G01N33/53,G01N33/68,C12Q1/68
(31) Priority Document No :61/334,866
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036665
Filing Date :16/05/2011
(87) International Publication No :WO 2011/143656
(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)HACOHEN, Nir
2)WU, Catherine

(57) Abstract :

The present invention related to immunotherapeutic peptides and their use in immunotherapy, in particular the immunotherapy of cancer. Specifically, the invention provides a method of identifying tumor specific neoantigens that alone or in combination with other tumor associated peptides serve as active pharmaceutical ingredients of vaccine compositions which stimulate anti tumor responses.

No. of Pages : 85 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3175/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ADJUSTMENT DEVICE AND AN ELECTRIC DRIVE OF AN ELEVATOR

(51) International classification :H02P29/00,H02P21/00,B66B1/24
(31) Priority Document No :20105356
(32) Priority Date :07/04/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/000019
Filing Date :07/04/2011
(87) International Publication No :WO 2011/124745
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KONE CORPORATION
Address of Applicant :Kartanontie 1, FI-00330 Helsinki
FINLAND
(72)Name of Inventor :
1)STOLT, Lauri
2)KALLIONIEMI, Antti
3)KAUPPINEN, Tuukka

(57) Abstract :

The invention relates to an adjustment device (1) for controlling the electric drive (2) of an elevator in connection with a voltage reduction of the supplying network. The electric drive of an elevator comprises an electric motor (3) and a power supply apparatus (4) of the electric motor for adjusting the supply voltage of the electric motor. The adjustment device comprises means (5, 6, 7) for controlling the power supply apparatus (4) of the electric motor and also a speed regulator (8) for adjusting the speed of the electric motor. The adjustment device (1) is arranged to determine the output voltage (9) of the power supply apparatus of the electric motor in relation to the permitted maximum value of the output voltage, and the adjustment device (1) is arranged to interrupt the operation of the speed regulator (8) but to continue the operation of the power supply apparatus (4) of the electric motor when the output voltage (9) of the power supply apparatus of the electric motor reaches the permitted maximum value.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3166/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

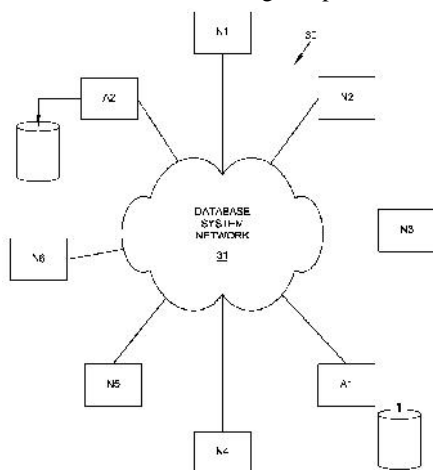
(54) Title of the invention : DATABASE MANAGEMENT SYSTEM

(51) International classification :G06F17/30
(31) Priority Document No :61/315,351
(32) Priority Date :18/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029056
Filing Date :18/03/2011
(87) International Publication No :WO 2011/116324
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NUODB INC.
Address of Applicant :18 Hurley Street, Cambridge, MA
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(72)**Name of Inventor :**
1)STARKEY, James, A.

(57) Abstract :

A multi-user, elastic, on-demand, distributed relational database management system. The database is fragmented into distributed objects called atoms. Any change to a copy of an atom at one location is replicated to all other locations containing a copy of that atom. Transactional managers operate to satisfy the properties of atomicity, consistency, isolation and durability.



No. of Pages : 71 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3167/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

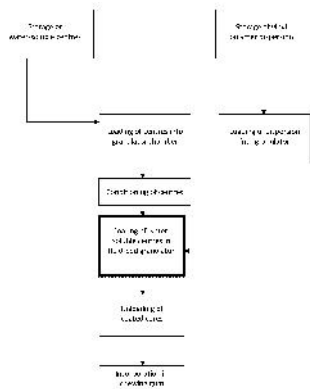
(54) Title of the invention : SLOW-RELEASE DIETARY FORMULATIONS

(51) International classification :A23G4/06
(31) Priority Document No :MI2010A000673
(32) Priority Date :20/04/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/056127
Filing Date :18/04/2011
(87) International Publication No :WO 2011/131618
(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)COLLE, Roberto
2)DELEO, Maurizio
3)SALMOIRAGHI, Guglielmo
4)WALZL, Martin

(57) Abstract :

The present invention relates to dietary formulations for the slow release of water soluble active ingredients. Said formulations comprise a coating obtained by evaporation from vinyl polymer dispersions not containing emulsifiers. The formulations can be advantageously included in an edible composition, including confectionery products.



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

(54) Title of the invention : EFFORTLESS NAVIGATION ACROSS CAMERAS AND COOPERATIVE CONTROL OF CAMERAS

(51) International classification :H04N7/18,H04N5/232
 (31) Priority Document No :61/318,055
 (32) Priority Date :26/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CA2011/000319
 Filing Date :25/03/2011
 (87) International Publication No :WO 2011/116476
 (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)LAFORTE, Christian

2)COSSETTE-PACHECO, Alexandre

3)LAFORTE, Guillaume

4)KOOPFERSTOCK, Joshua

(57) Abstract :

This application discloses a system and related methods (called Fast Track) to effortlessly navigate across multiple cameras, e.g. video surveillance cameras distributed in a facility. Fast Track simplifies the act of following a suspicious individual roaming in a facility e.g. by eliminating the need for security operators to memorize camera placement and coverage, and to manually control pan tilt zoom (hereinafter PTZ) cameras, and by simplifying the process to reduce the risk of operator error. Combinations of novel scoring and control methods generally provide an automatic identification of optimal cameras and pre emptive re direction of PTZ cameras. Extensions to these methods enable two new capabilities: Cooperative PTZ Control (e.g. coordinating PTZs to cover a 3D map viewport optimally) and Self Healing Perimeters, to automatically reassign and redirect multiple PTZ cameras to fill gaps in a security perimeter.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3169/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPROACHES FOR DEVICE LOCATION AND COMMUNICATION

(51) International classification :G06K9/00
(31) Priority Document No :12/763,118
(32) Priority Date :19/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033109
Filing Date :19/04/2011
(87) International Publication No :WO 2011/133590
(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)BOZARTH, Bradley, J.
2)KARAKOTSIOS, Kenneth M.
3)HART, Gregory, M.
4)FREED, Ian, W.
5)BEZOS, Jeffrey, P.

(57) Abstract :

A client device can utilize image capture technology to automatically detect the presence and relative location of various computing devices near the client device. The client device can use infrared communication, or another such approach, in order to obtain identifying information for at least some of these devices, and can display the identities and relative positions to a user of the client device. The relative positions of each device can be tracked and updated, and the client device can send communications to specific devices based at least in part upon the received identifying information. While the relative position can be tracked using the infrared or similar capture elements, the communications can be performed using any appropriate protocol or technology.

No. of Pages : 46 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3170/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR CONTINUOUS OPERATION OF A SURFACE MINER

(51) International classification :E21C47/04
(31) Priority Document No :61/325,064
(32) Priority Date :16/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/032763
Filing Date :15/04/2011
(87) International Publication No :WO 2011/130690
(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)NEILSON, Brad
2)ZIMMERMAN, Joseph, J.

(57) Abstract :

A surface miner operates in a first direction to remove material from a mining face with its rotational axis of the cutting drums oriented substantially perpendicular to the mining face. Upon reaching an end of the mining face, the surface miner turns such that the axis is oriented substantially parallel to the mining face. The surface miner then operates in a second direction to cut a first channel from the mining face. To withdraw the cutters from the first channel, the surface miner reverses. The surface miner repositions to cut a second channel from the mining face in the second direction. The first and second channels together define a cut out. The surface miner is positioned in the cut out with the axis oriented substantially perpendicular to the mining face facing in a direction substantially opposite the first direction. The surface miner then continues to remove material in that direction.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3176/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR MODIFYING AN INPUT AUDIO SIGNAL

(51) International classification :H03G3/32,H04S7/00,G10L21/00
(31) Priority Document No :10160679.6
(32) Priority Date :22/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056355
Filing Date :20/04/2011
(87) International Publication No :WO 2011/131732
(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)UHLE, Christian
2)HERRE, Jürgen
3)HELLMUTH, Oliver
4)FINAUER, Stefan**

(57) Abstract :

An apparatus for modifying an input audio signal comprises an excitation determiner, a storage device and a signal modifier. The excitation determiner determines a value of an excitation parameter of a subband of a plurality of subbands of the input audio signal based on an energy content of the subband. Further, the storage device stores a lookup table containing a plurality of spectral weighting factors. A spectral weighting factor of the plurality of spectral weighting factors is associated to a predefined value of the excitation parameter and a subband of the plurality of subbands. The storage device provides a spectral weighting factor corresponding to the determined value of the excitation parameter and corresponding to the subband, the value of the excitation parameter is determined for. Further, the signal modifier modifies a content of the subband of the audio signal, the value of the excitation parameter is determined for, based on the provided spectral weighting factor to provide a modified subband.

No. of Pages : 38 No. of Claims : 21

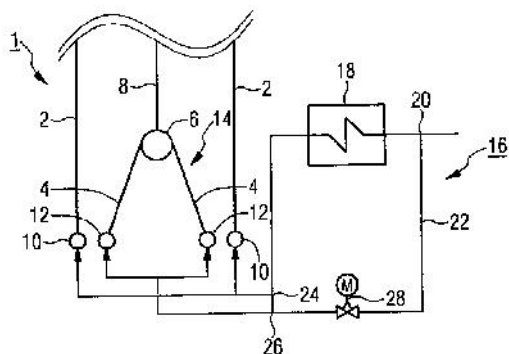
(54) Title of the invention : STEAM GENERATOR

(51) International classification :F22B31/00
 (31) Priority Document No :102010028426.2
 (32) Priority Date :30/04/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/055229
 Filing Date :05/04/2011
 (87) International Publication No :WO 2011/134749
 (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)Joachim BRODESSER
2)Martin EFFERT

(57) Abstract :

The invention relates to a steam generator (1) comprising a combustion chamber having a peripheral wall (2) formed at least partially from gas-proof, welded steam generator pipes, at least two additional inner walls (4, 8) formed at least partially from additional steam generator pipes which are arranged inside the combustion chamber, and said inner walls are connected one behind the other on the flow medium side by an intermediate collector (6). The aim of the invention is to provide a steam generator which has a particularly high service life and is particularly reliable. Said flow medium on the inlet (12) of the inner wall (4) upstream of the intermediate collector (6) has a lower temperature than that of the flow medium on an inlet (10) of the peripheral wall (2).



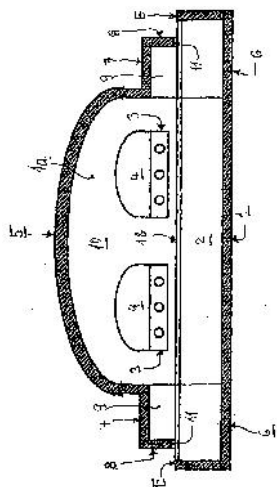
No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : GLASS MELTING TANK HAVING A DOGHOUSE, AND METHOD FOR HEATING THE CHARGE MATERIAL IN SUCH GLASS MELTING TANKS

(51) International classification	:C03B3/00,C03B5/04	(71)Name of Applicant :	
(31) Priority Document No	:10 2010 020 176.6	1)BETEILIGUNGEN SORG GMBH & CO. KG	
(32) Priority Date	:11/05/2010	Address of Applicant :Stoltestraße 23, 97816 Lohr am Main,	
(33) Name of priority country	:Germany	Germany	
(86) International Application No	:PCT/EP2011/002217	(72)Name of Inventor :	
Filing Date	:04/05/2011	1)LINDIG, Matthias	
(87) International Publication No	:WO 2011/141136	2)SORG, Alexander	
(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 glass melting tank (1), comprising at least one front part (6) for introducing the charge material and at least one charging device. In order to achieve the aim of improving the charging technology via front parts (6) of glass tank furnaces to the effect that heat losses to the atmosphere and transport of dust into the upper furnace of the tank are reduced, and nevertheless the heating of the charge material is intensified, according to the invention the front part (6) a) has a length LV of at least 2,250 mm in the direction of the melting tank (1), and b) at a length LG of at least 1,200 mm is provided with an insulating roof (7), which has an end wall (8) towards the charging device, which, together with the roof (7), encloses a gas chamber (9) that is open toward the melting tank (1), c) wherein the so-called characteristic value K of 3.50 tonnes (t) per hour and per square metre of surface is not exceeded, said characteristic value being calculated from P/F, where P is the throughput per hour in tonnes (t) and F is the inner surface of the front part in mo.



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

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

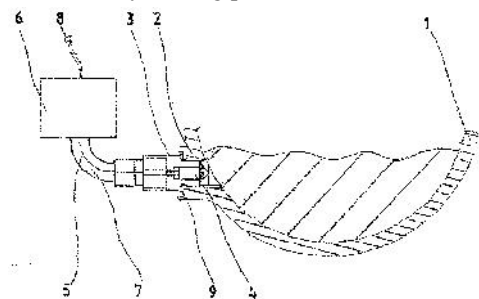
(54) Title of the invention : OIL LEVEL INDICATOR FOR A SCREW-TYPE COMPRESSOR

(51) International classification	:G01F23/292,F01M11/12
(31) Priority Document No	:10 2010 015 150.5
(32) Priority Date	:16/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/055766
Filing Date	:13/04/2011
(87) International Publication No	:WO 2011/128356
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number:	:NA
Filing Date	:NA

(71) **Name of Applicant :**
1) KNORR-BREMSE SYSTEME FÜR
SCHIENENFAHRZEUGE GMBH
 Address of Applicant : Moosacher Str. 80, 80809 MÜNchen,
 Germany
 (72) **Name of Inventor :**
1) KÖCK Engelbert

(57) Abstract :

The invention relates to a device for monitoring and/or indicating an oil level in an oil sump of a screw-type compressor, said oil level fluctuating in different operating states of said screw-type compressor. According to the invention, a device is provided for monitoring and indicating the oil level in a screw-type compressor, the reliability thereof being improved over the prior art and erroneous measurements being excluded. This is achieved in that the device is an optical unit (4). Such an optical unit (4) has no mechanically moving parts which can become damaged during the often rough use of the device.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.18/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : VINYL ESTER/ETHYLENE-BASED BINDERS FOR PAPER AND PAPERBOARD COATINGS

(51) International classification :C08F218/04,C08F218/08,C08L31/02
(31) Priority Document No :12/839,662
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043792
Filing Date :13/07/2011
(87) International Publication No :WO 2012/012231
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CELANESE INTERNATIONAL CORPORATION
Address of Applicant :222 W.Las Colinas Blvd. Suite 900N
Irving, Texas 75039 U.S.A.
(72)**Name of Inventor :**
1)CONFALONE, Philip
2)FARWAHA, Rajeev
3)GOHR, Kerstin

(57) Abstract :

Disclosed are surfactant-stabilized latex emulsions which can be used as binders in paper coating compositions. Such latex emulsions comprise an interpolymer formed by emulsion polymerizing monomers selected from vinyl esters, e.g., vinyl acetate; ethylene; certain unsaturated mono- and di-carboxylic acid materials such as acrylic acid or maleic anhydride; and certain polyethylenically unsaturated cross-linking co-monomers such as diallyl phthalate. These latex emulsions are stabilized with surfactants which are substantially free of environmentally suspect alkyl phenol ethoxylates (APEs). The paper coating compositions containing latex emulsion binders of this type exhibit especially desirable coating strength as quantified by the Dry Pick Values (as defined herein) which such compositions provide.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3182/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PROCESS FOR CATALYST REGENERATION AND EXTENDED USE

(51) International classification :C07C2/66
(31) Priority Document No :12/765,119
(32) Priority Date :22/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/026623
Filing Date :01/03/2011
(87) International Publication No :WO 2011/133250
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)FINA TECHNOLOGY, INC
Address of Applicant :P.O. Box 674412, Houston, Texas
77267-3312, U.S.A.
(72)**Name of Inventor :**
1)BUTLER, James, R.

(57) Abstract :

A method of producing an alkylaromatic by the alkylation of an aromatic with an alkylating agent, such as producing ethylbenzene by an alkylation reaction of benzene, is disclosed. The method includes using an H-beta catalyst to minimize process upsets due to alkylation catalyst deactivation and the resulting catalyst regeneration or replacement. The H-beta catalyst can be used in a preliminary alkylation reactor that is located upstream of the primary alkylation reactor. The H- beta catalyst used in a preliminary alkylation reactor can lead to the reactivation of the catalyst in the primary alkylation reactor.

No. of Pages : 41 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3185/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TELESCOPING CRYOCANE

(51) International classification :A01M1/02,A61J1/00,C12M1/24
(31) Priority Document No :61/327,050
(32) Priority Date :22/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033599
Filing Date :22/04/2011
(87) International Publication No :WO 2011/133877
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ST REPRODUCTIVE TECHNOLOGIES LLC

Address of Applicant :22575 State Hwy 6 South, Navasota, Texas 77868 U.S.A.

(72)Name of Inventor :

1)COGNARD, Eric

2)MORENO, Juan

(57) Abstract :

A telescoping cryocane having a first container element and a second container element, where the first container element and the second container element are in a slidable telescoping relationship. One or more of the first and the second container elements being configured for suspending and retaining a container for container materials which require storage at very low temperatures.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3186/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR HIERARCHICAL TRACKING OF CONTENT AND CACHE FOR NETWORKING AND DISTRIBUTION TO WIRED AND MOBILE DEVICES

(51) International classification :G06F7/00
(31) Priority Document No :61/325,847
(32) Priority Date :20/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/034011
Filing Date :07/05/2010
(87) International Publication No :WO 2011/133167
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ZTE CORPORATION
Address of Applicant :ZTE Plaza Keji Road South Hi-tech
Industrial Park Nanshan District Guangdong 518057 CHINA
(72)**Name of Inventor :**
1)KHASNABISH, Bhumip

(57) Abstract :

Embodiments of the present invention are directed to a system and apparatus for tracking media content (storage) and its cache (that is synched with the original content) in a large- scale wide-area distributed network. The system includes at least one mini tracker which is configured to keep information on the location of the content and to distribute this information to micro trackers in a first jurisdiction. The system also includes at least one zone tracker which is configured to keep information on the location of the content in a region and to distribute this information to mini trackers in a second jurisdiction. The system further includes a master tracker which is configured to keep information on the location of the content in all regions in a third jurisdiction to distribute this information to zone trackers in the third jurisdiction. The micro tracker (in wired or mobile end device/point) is configured to obtain location information from at least one of the mini tracker or zone tracker if a primary source malfunctions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3187/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BICYCLO-KETONES AS PERFUMING INGREDIENTS

(51) International classification :C11B9/00,C07C49/115,C07C49/21
(31) Priority Document No :10165239.4
(32) Priority Date :08/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/052084
Filing Date :12/05/2011
(87) International Publication No :WO 2011/154859
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)FIRMENICH SA
Address of Applicant :1, route des Jeunes, P. O. Box 239,
1211 Geneva 8 SWITZERLAND
(72)**Name of Inventor :**
1)BIRKBECK, Anthony A.

(57) Abstract :

The present invention relates to the use as perfuming ingredient, to confer a green allylic, glycolate and fruity-pineapple odor, of a C13-C16 compound of formula 5 wherein the dotted line represents a carbon-carbon single bond or a carbon-carbon single or double bond; one R1 is a hydrogen atom and the other R1 represents a hydrogen atom or a methyl or ethyl group; X represents a C=CH2 or C=CHCH3 group or a CHR2 group, 10 each R2, independently from each other, represents a hydrogen atom or a methyl or ethyl group; and R3 represents a - a group of formula CR4=C(R4)2, each R4 representing, independently from each other, a hydrogen atom or a methyl or ethyl group; or - a group of formula 15 R4 having the same meaning as above.

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

(54) Title of the invention : AN ENANTIOSELECTIVE PROCESS FOR CYCLOALKENYL B-SUBSTITUTED ALANINES

(51) International classification :A01N57/00,A61K31/66
 (31) Priority Document No :61/326,187
 (32) Priority Date :20/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/033219
 Filing Date :20/04/2011
 (87) International Publication No :WO 2011/133651
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)CHIRAL QUEST, INC.

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1)LIU, Zijun

2)LIN, Sanhui

3)LI, Wenge

4)ZHU, Jingyang

5)LIU, Xinjun

6)ZHANG, Xiaojuan

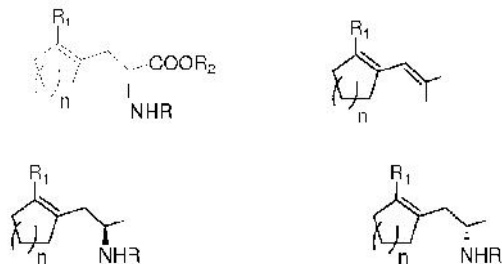
7)LU, Hui

8)XIONG, Fei

9)TIAN, Zhongwei

(57) Abstract :

A process for preparing an enantiomerically enriched cycloalkene substituted alanine compound having the structure:Formule (I) by asymmetrically hydrogenating a dehydro amino acid compound having the structure: Formula (V) in a suitable reaction media in the presence of a catalyst having a transition metal moiety complexed to a chiral phosphine ligand to prepare enantiomerically enriched cycloalkene substituted alanine compounds having the structure of Formula (IA) or (IB) which are key intermediates for the ACE inhibitors ramipril and perindolpril: Formula (IA) Formula (IB).



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

(54) Title of the invention : USE OF ENDOGENOUS PROMOTERS TO EXPRESS HETEROLOGOUS PROTEINS

(51) International classification :C12N15/00
 (31) Priority Document No :61/323,702
 (32) Priority Date :13/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/032216
 Filing Date :13/04/2011
 (87) International Publication No :WO 2011/130345
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)SIGMA-ALDRICH CO. LLC.

Address of Applicant :3050 Spruce Street St. Louis, Missouri 63103 U.S.A.

(72)Name of Inventor :

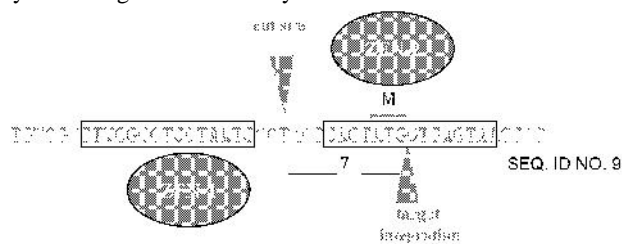
1)DAVIS, Greg

2)MALKOV, Dmitry

3)ZENSER, Nathan

(57) Abstract :

The present invention provides methods for using endogenous transcriptional control systems to regulate the expression of heterologous protein(s). In particular targeted genome editing is used to integrate a sequence encoding the heterologous protein(s) in frame with an endogenous coding sequence such that the expression of the heterologous and endogenous sequences is regulated by the endogenous control system.



No. of Pages : 51 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3190/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PIGMENT AND COLORED PHOTSENSITIVE COMPOSITION

(51) International classification :C09B23/00,C09B67/20,G02B5/20
(31) Priority Document No :2010-212335
(32) Priority Date :22/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/070456
Filing Date :08/09/2011
(87) International Publication No :WO 2012/039286
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ADEKA CORPORATION

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(72)Name of Inventor :

1)MAEDA, Yosuke

2)SHIMIZU, Masaaki

3)MATSUHIRA, Keisuke

(57) Abstract :

The present invention provides a pigment with excellent solubility and heat resistance, and a new compound suitable for the pigment, in particular a yellow pigment having a wavelength of maximum absorption in the range of 400-450 nm. The present invention also provides a colored (alkaline developable) photosensitive composition using the above pigment and an optical filter using the above colored (alkaline developable) photosensitive composition, particularly, a color filter which does not reduce luminance, is suitable for image display devices such as liquid-crystal display panels, and, specifically, uses a compound represented by general formula (1) as a pigment. The content of the general formula (1) is as described in the specification.

No. of Pages : 86 No. of Claims : 8

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A SOLID METALLOCENE CATALYST SYSTEM AND ITS USE IN POLYMERISATION OF OLEFINS

<p>(51) International classification :C08F10/00,C08F4/6592</p> <p>(31) Priority Document No :10162257.9</p> <p>(32) Priority Date :07/05/2010</p> <p>(33) Name of priority country :EPO</p> <p>(86) International Application No :PCT/EP2011/056698</p> <p>Filing Date :28/04/2011</p> <p>(87) International Publication No :WO 2011/138209</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)BOREALIS AG</p> <p>Address of Applicant :Wagramer Strasse 17-19, A-1220 Vienna, AUSTRIA</p> <p>(72)Name of Inventor :</p> <p>1)VALONEN, Jenni</p> <p>2)HEISKANEN, Harri</p>
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(57) Abstract :

Process for the preparation of a solid olefin polymerisation catalyst system, comprising an organometallic compound of a transition metal of Group 3 to 10 of the Periodic Table (IUPAC 2007) in the form of solid particles comprising the steps of a) preparing a solution (A) comprising ai) a transition metal compound of Formula (I) $L_mR_nMX_q$ (I) wherein M is a transition metal of anyone of the groups 3 to 10 of the periodic table (IUPAC 2007), preferably a transition metal of anyone of the groups 4 to 6 of the periodic table (IUPAC 2007), more preferably titanium (Ti), zirconium (Zr) or hafnium (Hf), i.e. zirconium (Zr) or hafnium (Hf), each X is independently a monovalent -ligand, each L is independently an organic ligand which coordinates to the transition metal (M), R is a bridging group linking said organic ligands (L), m is 2 or 3, preferably 2, n is 0, 1 or 2, preferably 1, q is 1, 2 or 3, preferably 2, m+q is equal to the valency of the transition metal (M), a2) a cocatalyst comprising an element of group 13 of the Periodic Table (IUPAC 2007), preferably a cocatalyst (Co) comprising a compound of Al and a3) a solvent (A-1), b) preparing a liquid/liquid emulsion system by dispersing the solution (A) in a solvent (B) wherein bi) the solvent (B) constitutes the continuous phase of the emulsion and comprises a nonreactive fluorinated synthetic oil like a perfluoropolyether, a polytrichlorofluoroethylene, a fluorosilicone, or combinations thereof, having a viscosity at 20°C of at least 10 cSt according to ASTM D445 b2) the solution (A) constitutes in the form of droplets the dispersed phase and b3) the transition metal compound of formula (I) and the cocatalyst (Co) are present in the droplets, c) solidifying said dispersed phase to convert said droplets to solid particles and d) optionally recovering said particles to obtain said catalyst system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3030/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR THE FLOW COATING A POLYMERIC MATERIAL

(51) International classification :B05D1/30,B05D3/04,B05D7/00 (31) Priority Document No :10165851.6 (32) Priority Date :14/06/2010 (33) Name of priority country :EPO (86) International Application No :PCT/EP2011/059462 Filing Date :08/06/2011 (87) International Publication No :WO 2011/157603 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)SAINT-GOBAIN GLASS FRANCE Address of Applicant :18 avenue d'Alsace, F-92400 Courbevoie, FRANCE (72)Name of Inventor : 1)TSCHURL Thomas 2)GÜLDNER Dominic 3)SCHMIDT Sebastian
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(57) Abstract :

A method for the flow coating of a polymeric material wherein at least a. one component (1) is inserted at an angle of 25° to 90° with respect to the floor (5) into a holder (2) b. the component (1) is coated with a varnish (3) from an upper edge (1a) onwards and during the process and/or subsequently the varnish (3) is acted upon with an air flow (4) within a region of 30% of that surface of the component (1) which is adjacent to the upper edge (1a).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.32/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : SWITCH ELEMENT COMPRISING A LIQUID-CRYSTALLINE MEDIUM

(51) International classification :C09K19/30,C09K19/32,C09K19/34

(31) Priority Document No :1009488.6

(32) Priority Date :07/06/2010

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

(86) International Application No :PCT/EP2011/002365

Filing Date :12/05/2011

(87) International Publication No :WO 2011/154077

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

1)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250, 64293 Darmstadt, Germany

(72)**Name of Inventor :**

1)JUNGE, Michael

(57) Abstract :

The present invention relates to a switch element, which is thermoresponsive and which switches between a less transmissive state for radiant energy and a more transmissive state for radiant energy, and which comprises a liquid-crystalline medium. The invention furthermore relates to the use of the switch element for the regulation of radiant energy flow between interior spaces and the environment and for the regulation of the temperature of interior spaces. The invention furthermore relates to a liquid-crystalline medium, characterised in that it comprises 5-60 % of a compound of the formula (I), in particular for use in the switch elements according to the invention.

No. of Pages : 96 No. of Claims : 15

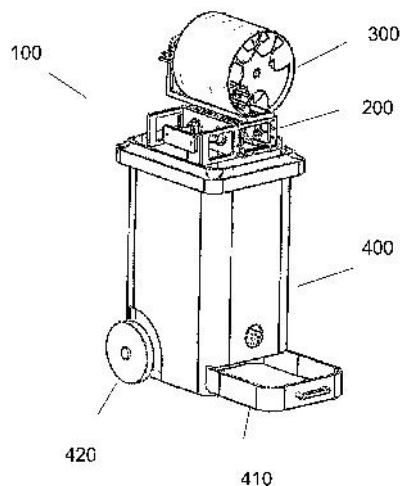
(54) Title of the invention : A SHREDDING MACHINE.

(51) International classification :B02C1/00,B02C19/00,B02C21/00
 (31) Priority Document No :61/316,929
 (32) Priority Date :24/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/IL2011/000276
 Filing Date :24/03/2011
 (87) International Publication No :WO 2011/117874
 (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)LESHEM, Yoav
2)ZIV, Rafi
3)LEVY, Zohar
4)BARKAY, Dov
5)SHUSTOROVITCH, Igor

(57) Abstract :

The present invention discloses a machine for shredding plastic container. The machine comprises a pressing device, a fixed plate having slits arranged in matrix pattern, where said plate is positioned at one end within the housing and said slits face the interior space of the housing, a movable plate having plurality of blades connected to at least one arm, wherein said plate is arranged to move along a central axis within the housing and said blades edges facing the sharp edges of said fixed plate where the blades configuration correspond to slits matrix pattern. When operating the machine the containers are placed in-between said movable plate and said fixed plate, such that when the movable plates moves along the central axis of the housing toward the fixed plate, the blades crash and cut/shear the container into flakes of predefined size suitable for recycling.



No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3202/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

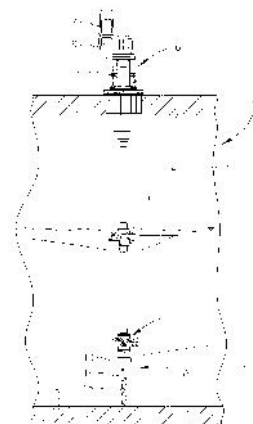
(54) Title of the invention : MIXER ASSEMBLY FOR DIGESTION TANK

(51) International classification :B01F15/00,A01C3/02,B01F7/16
(31) Priority Document No :1050447-0
(32) Priority Date :06/05/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050467
Filing Date :18/04/2011
(87) International Publication No :WO 2011/139209
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)XYLEM IP HOLDINGS LLC
Address of Applicant :1133 Westchester Avenue, White Plains, NY 10604, U.S.A.
(72)**Name of Inventor :**
1)SELENIUS, Per

(57) Abstract :

The invention relates to a mixer assembly for agitating material in a digestion tank (1), comprising a drive unit (7, 8, 9) and an output shaft (10) extending from said drive unit, which output shaft is arranged to hang down into said digestion tank (1) rotatably suspended from the drive unit. According to the invention the mixer assembly (6) furthermore comprises a stabilizer (12) comprising a swivel (13) and at least one resilient element (14) connected to said swivel (13), the stabilizer (12) being connected to the lower end of the output shaft (10) of the mixer assembly (6) and being arranged to be connected to a floor (2) of said digestion tank.



No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3204/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : OVERVOLTAGE PROTECTION ELEMENT

(51) International classification	:H01C7/12	(71) Name of Applicant :
(31) Priority Document No	:102010015814.3	1)PHOENIX CONTACT GMBH & CO. KG
(32) Priority Date	:20/04/2010	Address of Applicant :Flachsmarktstrasse 8, 32825
(33) Name of priority country	:Germany	Blomberg Germany
(86) International Application No	:PCT/EP2011/001916	(72) Name of Inventor :
Filing Date	:15/04/2011	1)DEPPING, Christian
(87) International Publication No	:WO 2011/141115	2)GREWE, Christina
(61) Patent of Addition to Application Number	:NA	3)WOSGIEN, Joachim
Filing Date	:NA	4)JUNGERMANN, Philip
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an overvoltage protection element, comprising a housing, connections (2, 3) for electrically connecting the overvoltage protection element (1) to the current path or signal path to be protected, two Varistors (4, 5) arranged inside the housing and electrically connected in parallel, and a center electrode (6) arranged at least partially between the Varistors (4, 5), wherein the housing has two housing halves (7, 8) made of metal and electrically connected to each other, wherein the center electrode (6) is isolated from the housing halves (7, 8) and is electrically connected at the opposite sides of the electrode to a first connection area (9, 10) of a varistor (4, 5), and wherein the two Varistors (4, 5) and the center electrode (6) are sandwiched between the two housing halves (7, 8). The overvoltage protection element according to the invention is constructed and can be assembled in a simple and low-cost manner, and has the lowest possible protection level, in that one housing half (8) is designed as a cover, which has a covering section (10) and a recessed engagement section (11), wherein in the installed State of the two housing halves (7, 8) the engagement section (11) engages in the corresponding receiving space (12) formed by the other housing half (7) and the covering section (10) covers the receiving space (12), and in that the two housing halves (7, 8) are designed and can be connected to each other in such a way that in the installed state a visible gap (13) is present between the two housing halves (7, 8), wherein the width (B) of the visible gap (13) varies according to the thickness of the two varistors (4, 5), but the maximum width (B) of the visible gap (13) is less than the corresponding extent of the engagement section (11) of the housing half (8) designed as a cover.

No. of Pages : 36 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3061/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : SUBSEA ORIENTATION AND CONTROL SYSTEM

(51) International classification :E21B19/00,E21B41/04,E21B47/10
(31) Priority Document No :2010 0532
(32) Priority Date :14/04/2010
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2011/055765
Filing Date :13/04/2011
(87) International Publication No :WO 2011/128355
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AKER SUBSEA AS
Address of Applicant :P.O. Box 94, N-1325 Lysaker,
NORWAY
(72)**Name of Inventor :**
1)BILLINGTON, Anders
2)SYNNES, Are
3)SØVIK, Christen

(57) Abstract :

The invention provides a tool for subsea installation and testing of wellhead modules such as Xmas trees and similar equipment, from a ship using a ship crane, distinctive in that the tool comprises a subsea unit comprising a connector for releasable connection to subsea wellhead modules or equipment, means for positioning and means for testing, and a connector for electric power and electric and/or optical control. Method using the tool.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3063/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : NOVEL LACTOBACILLUS CLASSIFIED AS LACTOBACILLUS PLANTARUM, AND USE THEREOF

(51) International classification :C12N1/20,A23C9/133,A23L1/30
(31) Priority Document No :2010-064911
(32) Priority Date :19/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/056065
Filing Date :15/03/2011
(87) International Publication No :WO 2011/115114
(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 :1-19, Higashi-Shinbashi 1-chome,
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(72)Name of Inventor :
1)IINO Tohru
2)MASUOKA Norie
3)ISHIKAWA Fumiyasu
4)YOSHIMURA Koichi
5)HAYASHIDA Eiji

(57) Abstract :

Disclosed is a novel lactobacillus that is classified as a Lactobacillus plantarum and that has an excellent fermentative ability achieving high viable bacteria counts even if various vegetable juices and fruit juices are used as fermentation substrates. Said lactobacillus classified as a Lactobacillus plantarum is characterized by the achieved viable bacteria count being at least 108 CFU/ml both when 100% grape juice and when 100% orange juice is used as the fermentation substrate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3064/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : MACHINE WITH VERTICAL AXIS FOR MAKING FILTER BAGS WITH INFUSION PRODUCTS

(51) International classification :B65B1/00,B65B9/20,B65B29/02
(31) Priority Document No :BO2010A000272
(32) Priority Date :30/04/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2010/054583
Filing Date :11/10/2010
(87) International Publication No :WO 2011/135409
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)IMA INDUSTRIES S.r.l.
Address of Applicant :Via Emilia, 428-442, I-40064
OZZANO EMILIA ITALY
(72)Name of Inventor :
1)REA, Dario
2)RIVOLA, Sauro

(57) Abstract :

A machine for making filter bags (1) with infusion products comprises: a feed station (3) for a continuous web (S) of filter paper; a station (4) for forming and joining the continuous web (S) in a closed tubular shape which is fed along a vertical feed axis (Z); a station (5) for filling the product with a pusher element (9) able to move along the vertical feed axis (Z); a station (6) for joining an open lower end of the continuous tubular web (S) forming, alternately, the bottom end (F) and the top end (T) of individual filter bags (1); a handling and control unit for the bottom end (F) able to move in such a way that it is synchronised with the joining station (6) along the vertical feed axis (Z) for pulling the web of filter paper (S) and controlling the position of the bottom end (F) of the filter bag (1) being formed.

No. of Pages : 37 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3224/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTRONIC POWER CONDITIONER CIRCUIT

(51) International classification:H04B3/02,H04B3/54,H02H9/00

(31) Priority Document No :1007688.3

(32) Priority Date :10/05/2010

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

(86) International Application
No :PCT/GB2011/000712

Filing Date :10/05/2011

(87) International Publication
No :WO 2011/141695

(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 :Lilienthalstrasse 200, 68307

Mannheim Germany

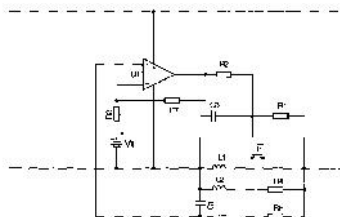
(72)Name of Inventor :

1)KITCHENER Renato

2)ROGOLL, Gunther

(57) Abstract :

An electronic power conditioner circuit for use in an IEC 61158 Fieldbus network comprising a series element, a capacitor and a resistor formed as a gyrator circuit, and a biasing circuit in which said biasing circuit supplies a control voltage and/or current to a control terminal of the series element, and in which said biasing circuit is adapted to set said control voltage and/or current such that a voltage drop across the series element is maintained at a pre-determined level.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3226/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PHOSPHOLIPID-ENRICHED VESICLES BEARING TISSUE FACTOR HAVING HAEMOSTATIC ACTIVITIES AND USES THEREOF

(51) International classification	:C07K14/745,A61K38/36	(71)Name of Applicant :
(31) Priority Document No	:10382085.8	1)THROMBOTARGETS EUROPE, S.L.
(32) Priority Date	:19/04/2010	Address of Applicant :Parc Mediterrani de la Tecnologia
(33) Name of priority country	:EPO	Avinguda del Canal Olímpic s/n, Edifici B6,2ª planta, E-08860
(86) International Application No	:PCT/EP2011/056219	Castelldefels-Barcelona SPAIN
Filing Date	:19/04/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/131658	1)MURAT MORENO, Jesús
(61) Patent of Addition to Application	:NA	2)RODRÍGUEZ FERNÁNDEZ-ALBA, Juan Ramón
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for improving the procoagulant properties of TF expressed in eukaryotic cells by contacting microvesicles derived from said eukaryotic cells with a negatively-charged phospholipid such as phosphatidylserine. The invention also relates to microvesicles obtained using said method as well as to the uses thereof as procoagulant agents, for wound healing and for promoting angiogenesis.

No. of Pages : 96 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3227/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : A METHOD OF FREQUENCY RE-PLANNING IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W 36/28
(31) Priority Document No :0406806.0
(32) Priority Date :26/03/2004
(33) Name of priority country :U.K.
(86) International Application No :PCT/US2005/006882
Filing Date :04/03/2005
(87) International Publication No :WO/2005/104602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :2083/KOLNP/2006
Filed on :24/07/2006

(71)Name of Applicant :

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(72)Name of Inventor :

1)WILLIAMS,OLATUNDE

2)BRUSCH,SIMON

3)CHARITY,TIMOTHY

4)HANNA,TREVOR

5)HOPKINSON,JONATHAN N.

6)MATHEWS,JOHN

7)RAMSDEN,JASON

8)RATFORD,MICHAEL S.

(57) Abstract :

A method of frequency re-planning in a wireless communication system is disclosed. A method of frequency re-planning, wherein the wireless communication system (100) is arranged to support communication for a plurality of mobile stations (112-115) via a plurality of cells, the method involving the generation of channel/interference penalties based upon measurement reports, and characterised by the step of: for a first cell having one or more neighbouring co-channel cells for which measurement reports are unavailable, estimating channel/interference penalties for the one or more neighbouring co-channel cells based upon the interference levels of common neighbours of the first cell and the one or more neighbouring co-channel cells.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1010/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

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

(51) International classification	:G06T	(71) Name of Applicant :
(31) Priority Document No	:2011-230424	1)FUJITSU LIMITED
(32) Priority Date	:20/10/2011	Address of Applicant :1-1, KAMIKODANAKA 4-CHOME,
(33) Name of priority country	:Japan	NAKAHARA-KU, KAWASAKI-SHI, KANAGAWA 211-
(86) International Application No	:NA	8588, JAPAN
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)TERUTOSHI TAGUCHI
(61) Patent of Addition to Application Number	:NA	2)MASAHIKO YAMADA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer-readable medium stores a program causing a computer to execute a process including selecting a model from a storage device storing assembly data of an assembly; projecting in multiple directions, the selected model to a first area in a color different from a background color of the first area to generate first projection images, and to a second area equivalent in size to the first area, the model in a different color and another model in the same color as the background color, to generate second projection images; comparing the first and second projection images, according to verification direction to calculate scores indicating matching degree between the projection images; and determining as a disassembly direction for the model, a direction opposite to the verification direction of the projection image having the highest calculated score, to associate and store the disassembly direction and the model to the storage device.

No. of Pages : 84 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3207/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MAPPING UPLINK CONTROL INFORMATION

(51) International classification :H04L27/26,H04B7/04,H04L1/18
(31) Priority Document No :61/324,231
(32) Priority Date :14/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/002661
Filing Date :14/04/2011
(87) International Publication No :WO 2011/129626
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO. LTD.
Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, REPUBLIC OF KOREA
(72)**Name of Inventor :**
1)ZHANG, Jianzhong
2)NAM, Young-Han

(57) Abstract :

A base station is provided. The base station includes a transmit path circuitry to transmit an uplink grant to a subscriber station, the uplink grant indicating a first modulation and coding scheme (MCS) value for a first codeword transmission and a second MCS value for a second codeword transmission. The base station also includes a receive path circuitry to receive a multiple-input multiple-output (MIMO) uplink subframe from the subscriber station, the MIMO uplink subframe having a first subset of layers used for the first codeword transmission and a second subset of layers used for the second codeword transmission. Acknowledgement/negative acknowledgement (ACK/NACK) information and rank indication (RI) information are mapped onto both the first subset of layers and the second subset of layers. Channel quality information (CQI) is only mapped onto either the first subset of layers or the second subset of layers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3209/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POLYMERS OF 8,9-DIHYDROBENZO[DEF]CARBAZOLE AND THEIR USE AS ORGANIC SEMICONDUCTORS

(51) International classification :C08G61/12,C08G73/00	(71) Name of Applicant :
(31) Priority Document No :10003115.2	1)MERCK PATENT GMBH
(32) Priority Date :24/03/2010	Address of Applicant :Frankfurter Strasse 250, 64293
(33) Name of priority country :EPO	Darmstadt, Germany
(86) International Application No :PCT/EP2011/000945	(72) Name of Inventor :
Filing Date :25/02/2011	1)BLOUIN, Nicolas
(87) International Publication No :WO 2011/116866	2)MITCHELL, William
(61) Patent of Addition to Application Number :NA	3)WANG, Changsheng
Filing Date :NA	4)TIERNEY, Steven
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The invention relates to novel polymers containing 8,9- dihydrobenzo[def]carbazole units, methods and materials for their preparation, their use as semiconductors in organic electronic (OE) devices, and to OE devices comprising these polymers.

No. of Pages : 62 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3211/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COMMUNICATIONS SYSTEM FOR AN AIRCRAFT

(51) International classification	:H04B7/185	(71) Name of Applicant :
(31) Priority Document No	:10 2010 019 394.1	1)BECKER FLUGFUNKWERK GMBH
(32) Priority Date	:04/05/2010	Address of Applicant :Baden-Airpark B 108, 77836
(33) Name of priority country	:Germany	RheinmÜnster, Germany
(86) International Application No	:PCT/EP2011/056620	(72) Name of Inventor :
Filing Date	:27/04/2011	1)BOMMER, Otto
(87) International Publication No	:WO 2011/138198	2)FINDEISEN, Udo
(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 communications system (10, 110) for an aircraft comprising a transceiver (22) having at least one transmitter (24), at least one receiver (26, 28) and at least one antenna, at least one data processing device (12) connected to the transceiver (22) by means of a data transfer device (20) and having at least one operating device (14), connected to the at least one data processing device (12), having manually activated switches, buttons and/or rotary knobs (18) for entering data into the at least one data processing device (12). According to the invention, the at least one operating device (14) is mechanically connected to the at least one data processing device (12) to form an assembly (16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3212/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SEAT BASE FRAME FOR A MOTOR VEHICLE SEAT

(51) International classification :B60N2/02,B60N2/06,B60N2/07

(31) Priority Document No :10 2010 028 630.3

(32) Priority Date :05/05/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/056866

Filing Date :29/04/2011

(87) International Publication No :WO 2011/138249

(61) 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

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(72)Name of Inventor :

1)BENEKER, Wilfried

2)DICK, Andre

3)MÜLLER, Toralf

4)SPRINGENBERG, Stephan

5)HANISCH, Dirk

(57) Abstract :

The invention relates to a seat base frame for a motor vehicle seat, having pairs of tracks (2, 3) disposed in parallel spaced apart from each other, each having an upper rail (5) longitudinally displaceably guided relative to a lower rail (4) and lockable by means of a locking device (15) on the lower rail (4), a seat structure connected to the upper rails (5), and a transverse support (11) extending substantially perpendicular to the upper rails and connected thereto. In order to provide a seat frame requiring little installation space and having sufficient strength and actuation capability of the locking devices, according to the invention, the transverse support is fixed in the axial direction thereof relative to the upper rails and rotatably connected to same, wherein an actuating lever (10) and a control lever (18) are disposed rotationally fixed relative to each other and spaced apart from each other on the transverse support such that each can be engaged by a locking device for adjusting the locking device between a locked position fixing the upper rail relative to the lower rail and a release position releasing the upper rail relative to the lower rail.

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

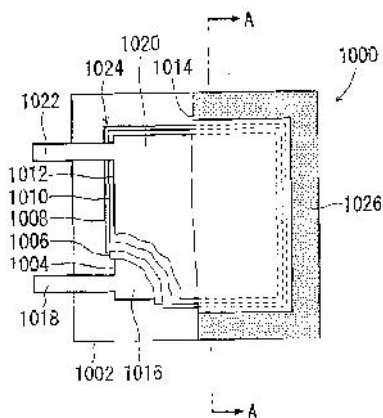
(54) Title of the invention : METHOD OF MANUFACTURING LITHIUM RECHARGEABLE BATTERY, METHOD OF MANUFACTURING STACKED BATTERY, AND METHOD OF MANUFACTURING COMPLEX

(51) International classification :H01M10/0585,H01M2/02,H01M2/06
 (31) Priority Document No :2010-273541
 (32) Priority Date :08/12/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/078279
 Filing Date :07/12/2011
 (87) International Publication No :WO 2012/077707
 (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)IMANISHI Nobuyuki
3)ITOH Takahito
4)UNO Takahiro
5)ITSUBO Akira
6)NOMURA Eiichi
7)KATOH Shigemitsu
8)OKUDA Kiyotsugu

(57) Abstract :

Provided is a method of manufacturing a lithium rechargeable battery, wherein volume energy density and weight energy density are improved. Conductor layers as a whole, each of which is provided with a current-collector of a cell and an electrode terminal to be electrically connected to the current-collector, are formed on connecting faces of sheathing films having flexibility and barrier capability, and complexes having the conductor layers and the sheathing films integrated are created. The current-collectors are arranged inside paste-together areas, and at least portions of the electrode terminals are arranged outside the paste-together areas. An anode active-material precursor layer, an electrolyte precursor layer, and a cathode active-material precursor layer are added to the complexes, with the planar positions thereof matching the current-collectors, and crosslinking treatment of the anode active-material precursor layer, the electrolyte precursor layer, and the cathode active-material precursor layer is executed. Then the paste-together areas are pasted together, the sheathing films are joined together, and the cell is sealed. The crosslinking treatment may be omitted.



No. of Pages : 180 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3221/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 21/06/2013

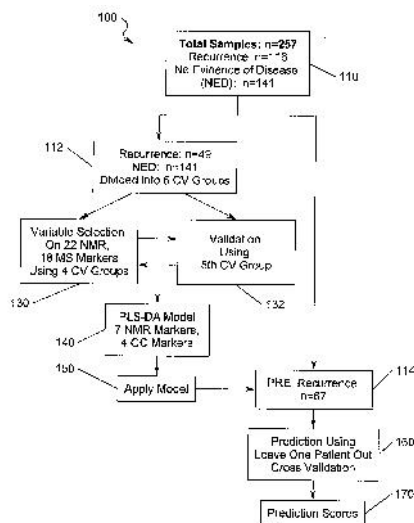
(54) Title of the invention : EARLY DETECTION OF RECURRENT BREAST CANCER USING METABOLITE PROFILING

(51) International classification :G01N33/50
(31) Priority Document No :61/316,679
(32) Priority Date :23/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029681
Filing Date :23/03/2011
(87) International Publication No :WO 2011/119772
(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)RAFTERY, M., Daniel
2)ASIAGO Vincent Moseti
3)GOWDA G.a. Nagana
4)ALVARADO Leiddy

(57) Abstract :

A monitoring test for recurrent breast cancer with a high degree of sensitivity and specificity is provided that detects the presence of a panel of multiplicity of biomarkers that were identified using metabolite profiling methods. The test is capable of detecting breast cancer recurrence about a years earlier than current available monitoring diagnostic tests. The panel of biomarkers is identified using a combination of nuclear magnetic resonance (NMR) and two dimensional gas chromatography mass spectrometry (GCxGC MS) to produce the metabolite profiles of serum samples. The NMR and GCxGC MS data are analyzed by multivariate statistical methods to compare identified metabolite signals between samples from patients with recurrence of breast cancer and those from patients having no evidence of disease.



No. of Pages : 61 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3222/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TELESCOPIC SHAFT

(51) International classification :B62D1/185,F16C3/035,F16C29/06
(31) Priority Document No :1050436-3
(32) Priority Date :03/05/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050533
Filing Date :29/04/2011
(87) International Publication No :WO 2011/139217
(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)FREDRIKSSON,Hans

(57) Abstract :

A telescopic shaft (2) for motor vehicles (1) is described. The telescopic shaft (2) comprises an inner shaft (3) an outer shaft (5) which defines a tube and surrounds a part of the inner shaft (3) and which is movable in the axial direction in relation to the inner shaft (3) two ball tracks (8,9) arranged in the inner shaft (3), and balls (10) arranged in the ball tracks (8,9). Each one of the ball tracks (8,9) comprises an outer ball track portion (11), which is partially open so that the balls (10) which are arranged in the outer ball track portion (11) are arranged to roll between the outer ball track portion (11) and the inside of the outer shaft (5). The telescopic shaft (2) comprises at least one movable ball track member (12) which constitutes at least part of the outer ball track portion (11) and a spring member (13) which is arranged between the inner shaft (3) and the movable ball track member (12) which spring member (13) is arranged to press the movable ball track member (12) and the balls (10) arranged in the ball track member against the inside of the outer shaft (5) in order to pretension the telescopic shaft (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3032/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : USE OF ANATABINE TO TREAT INFLAMMATION AND METHODS OF SYNTHESIZING ANATABINE

(51) International classification :A61K31/4458,A61P29/00
(31) Priority Document No :12/729,346
(32) Priority Date :23/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029613
Filing Date :23/03/2011
(87) International Publication No :WO 2011/119722
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ROCK CREEK PHARMACEUTICALS, INC.
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(72)Name of Inventor :
1)WILLIAMS, Jonnie R.
2)PUTHIAPARAMPIL, Tom Thomas
3)DAVID, Thomas Kanathkunn
4)RAJU, Muppala Sarveswara

(57) Abstract :

Pharmaceutical compositions comprising an isolated form of anatabine or a salt thereof can be used to treat disorders comprising an inflammatory component, including chronic, low- level inflammation. In another aspect, methods for the synthetic preparation of anatabine involve reacting benzophenoneimine with 3- aminomethyl pyridine to form benzylhydriidene-pyridin-3-yl-methyl-amine. The benzylhydriidene-pyridin-3-yl-methyl-amine is treated with a non-nucleophilic base and a dielectrophile, such as cis-1,4-dichloro-2-butene, followed by acidification, then basification, to provide anatabine.

No. of Pages : 225 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3034/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, METHODS OF MARKING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, METHODS OF USING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, AND METHODS OF MAKING ARTICLES CONTAINING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS

(51) International classification :C08G73/04,C08J7/04,C08J7/18
(31) Priority Document No :61/328,879
(32) Priority Date :28/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/034268
Filing Date :28/04/2011
(87) International Publication No :WO 2011/139817
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.

Address of Applicant :624 Boyd Graduate Studies Research Center, Athens, GA 30602-7411 U.S.A.

(72)Name of Inventor :

1)LOCKLIN, Jason J.

2)DHENDE, Vikram

(57) Abstract :

Polymer compositions, methods of making polymer compositions, structures having the polymer composition covalently bonded to the surface of the structure, methods of attaching the polymer to the surface of the structure, methods of decreasing the amount of microorganisms formed on a structure, and the like, are disclosed.

No. of Pages : 70 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3037/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

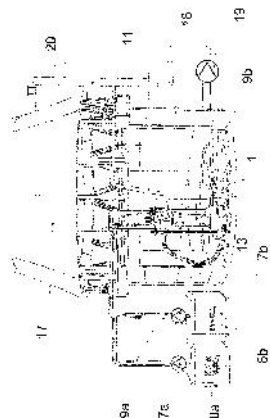
(54) Title of the invention : IMMERSION REACTOR

(51) International classification :B01J4/00,C01B11/02,C02F1/76
(31) Priority Document No :102010027840.8
(32) Priority Date :16/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/052334
Filing Date :17/02/2011
(87) International Publication No :WO 2011/128137
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INFRACOR GMBH
Address of Applicant :Paul-Baumann-Strasse 1, 45772 Marl, Germany
(72)**Name of Inventor :**
1)DUVE, Johannes

(57) Abstract :

The invention relates to a device (1) for adding chlorine dioxide to water, comprising a first feed line (5a) for feeding a first reaction component, a second feed line (5b) for feeding a second reaction component, a mixing tube (2) for mixing and reacting both reaction components to form chlorine dioxide. Both feed lines (5a, 5b) open into one end of the mixing tube, and at the other end of the mixing tube, a suction chamber (4) is disposed, into which feed water to be enriched with chlorine dioxide can be injected by means of a nozzle (12). The device further comprises a wastewater line (13) leading downstream out of the suction chamber (4). The aim of the invention is to further develop such a device such that said device has a simple and robust design and allows for chlorine dioxide syntheses that are based on two reaction components to be carried out safely. Said aim is achieved by providing the mixing tube (2) with an admission opening (10) for admitting reaction-component-free admitted water to be enriched with chlorine dioxide.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3039/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date : 21/06/2013

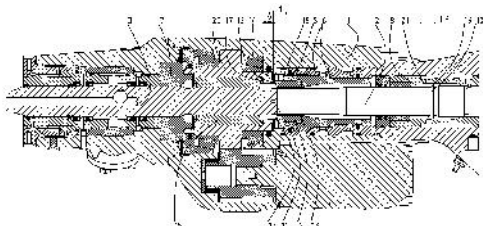
(54) Title of the invention : DRILLING MACHINE

(51) International classification :B25D17/24,B25D9/26,E21B6/00
(31) Priority Document No :1050438-9
(32) Priority Date :03/05/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050462
Filing Date :14/04/2011
(87) International Publication No :WO 2011/139208
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ATLAS COPCO ROCK DRILLS AB
Address of Applicant :Patents, S-701 91 Örebro Sweden
(72)Name of Inventor :
1)JOHANSSON, Anders

(57) Abstract :

The present invention relates to a drill comprising a shank adapter (3), a damping piston (5) with a forward end surface (18), a stop end surface (14) for the damping piston (5), a rotation chuck bushing (4) with a forward end surface (16), a stop end surface (17) for the rotation chuck bushing, a impact piston (2) with a brake land (10) with a forward end surface (19), and a brake chamber (8) for braking of the impact speed of the impact piston (2) during idle impacts, which brake chamber (8) has a rear edge (21). According to the invention, the actual idle impact stroke length (L1, L2) of the damping piston is greater than the idle impact braking distance (L3) of the impact piston, where the actual idle impact stroke length (L1, L2) of the damping piston is the shorter of the idle impact stroke length (L1) of the damping piston and the idle impact stroke length (L2) of the rotation chuck bushing.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3243/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BIDIRECTIONAL DC/DC CONVERTER

(51) International classification :H02M3/28
(31) Priority Document No :2010-103557
(32) Priority Date :28/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/IB2011/000750
Filing Date :07/04/2011
(87) International Publication No :WO 2011/135415
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PANASONIC CORPORATION
Address of Applicant :1006, Oaza Kadoma, Kadoma-shi,
Osaka 571-8501, JAPAN
(72)**Name of Inventor :**
1)TERAURA Kouichi
2)NISHINO Hiroyuki
3)KOSHIN Hiroaki
4)MURATA Yukihiro
5)IHIRA Yasuhisa

(57) Abstract :

Disclosed is a bidirectional DC/DC converter comprising: a primary-side circuit that includes a first DC power source or a first load; a secondary-side circuit that includes a second load or a second DC power source; a power transmission section that is capable of power transmission in both directions between the primary-side circuit and the secondary-side circuit; and a control section that controls the primary-side circuit and the secondary-side circuit in such a way that current flows through the power transmission section from the first DC power source to the second load or from the second DC power source to the first load.

No. of Pages : 60 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3194/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : GAS BURNER WITH MULTIPLE FLAME RINGS

(51) International classification :F23D14/06
(31) Priority Document No :VE2010A000023
(32) Priority Date :19/05/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2011/057994
Filing Date :17/05/2011
(87) International Publication No :WO 2011/144630
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DEFENDI ITALY S.R.L.
Address of Applicant :Via Direttissima Del Conero, 29, I-
60021 Camerano ITALY
(72)**Name of Inventor :**
1)PAESANI, Carlo

(57) Abstract :

A gas burner with multiple flame rings, comprising an injector holder piece (2), a flame divider (4) having an outer portion (26) of overall annular shape and an inner portion (28) of overall circular shape, and means (6) for upperly closing said outer and inner portions, characterised in that: -said injector holder piece (2) carries, applied thereto, at least two injectors (20, 20) of substantially vertical axis positioned in a substantially diametrical plane of the burner, -said flame divider (4) comprises at least two substantially vertical conduits (46, 46)facing the two injectors (20, 20) of the injector holder (2) and opening upperly into a horizontal venturi effect chamber, bounded upperly by said closure means (6), -the region downstream of said horizontal vertical effect chamber is connected in a fluidic manner to the inner portion (28) of said flame divider (4), via two channels (36, 60).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3195/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COMBINATION THERAPY COMPRISING A CCR5 ANTAGONIST, A HIV-1 PROTEASE INHIBITOR AND A PHARMACOKINETIC ENHANCER

(51) International classification :A61K31/00,A61K31/427,A61K31/4402
(31) Priority Document No :61/320,428
(32) Priority Date :02/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/051370
Filing Date :30/03/2011
(87) International Publication No :WO 2011/121558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PHIVCO-1 LLC
Address of Applicant :Corporation Service Company 2711
Centerville Road, Suite 400 Wilmington, Delaware 19808
U.S.A.
(72)Name of Inventor :
1)TRESSLER, Randall, Lee
2)VALDEZ, Hernan

(57) Abstract :

The present invention discloses a novel combination therapy for HIV-1 treatment relying on a combination of at least one CCR5 antagonist, at least one HIV-1 protease inhibitor and at least one pharmacokinetic enhancer of said at least one CCR5 antagonist and/or at least one HIV-1 protease inhibitor. The combination is intended for use in oral treatment of a disorder selected from the group consisting of HIV-1 infection, retroviral infections genetically related to HIV and AIDS, in a treatmentnaive patient infected with CCR5 tropic HIV-1 virus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3196/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PROCESS FOR PROVIDING PARTICLES WITH REDUCED ELECTROSTATIC CHARGES

(51) International classification :A61K9/00
(31) Priority Document No :10160565.7
(32) Priority Date :21/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056227
Filing Date :19/04/2011
(87) International Publication No :WO 2011/131663
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CHIESI FARMACEUTICI S.P.A.
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(72)**Name of Inventor :**
1)COCCONI, Daniela
2)MUSA, Rossella

(57) Abstract :

The invention concerns a process for preparing carrier particles for dry powder formulations for inhalation having reduced electrostatic charges. The invention also concerns the carrier particles thereof.

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

(54) Title of the invention : UNIVERSAL DENGUE VIRUS SEQUENCES AND METHODS OF USE

(51) International classification :C12N15/40,C07K14/18,C07K19/00
 (31) Priority Document No :61/396,082
 (32) Priority Date :21/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/037598
 Filing Date :23/05/2011
 (87) International Publication No :WO 2011/146933
 (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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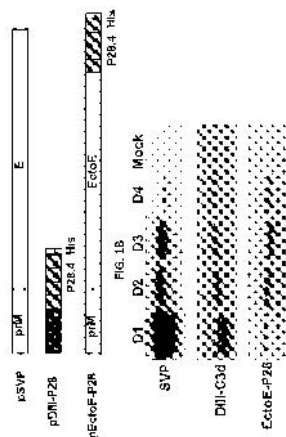
(72)Name of Inventor :

1)ROSS, Ted, M.

2)VASILAKIS, Nikolaos

(57) Abstract :

Disclosed herein are computationally optimized broadly reactive dengue virus E polypeptide sequences for DENV-1, DENV-2, DENV-3 and DENV-4. Also disclosed are dengue virus E protein fragments (such as the E protein ectodomain and Dili domain) fused to the molecular adjuvant P28. The disclosed nucleic acid and polypeptide sequences can be used as vaccines for immunization against dengue virus infection. In some cases, the vaccine includes a virus-like particle containing the universal dengue virus E protein, or fragment thereof, or the vaccine is a DNA molecule encoding the VLP.



No. of Pages : 58 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3199/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : 1-(2-FLUOROBIPHENYL-4-YL)-ALKYL CARBOXYLIC ACID DERIVATIVES FOR THE THERAPY OF TRANSTHYRETIN AMYLOIDOSIS

(51) International classification :C07C57/58,A61K31/19,A61P25/28
(31) Priority Document No :10160564.0
(32) Priority Date :21/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056224
Filing Date :19/04/2011
(87) International Publication No :WO 2011/131661
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CHIESI FARMACEUTICI S.P.A.
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ITALY
(72)Name of Inventor :
1)IMBIMBO, Bruno Pietro
2)VILLETTI, Gino
3)BERNI, Rodolfo

(57) Abstract :

The invention relates to the use of derivatives of 1-(2-fluorobiphenyl-4- yl)-alkyl carboxylic acid as agents capable of stabilising the tetrameric native state of transthyretin for the prophylaxis and treatment of amyloidosis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3420/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : POLYPROPYLENE WITH SPECIFIC CALCIUM STEARATE CONTENT FOR SPECIAL CAPACITORS

(51) International classification :C08K5/098,H01G4/33
(31) Priority Document No :10162729.7
(32) Priority Date :12/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/057322
Filing Date :06/05/2011
(87) International Publication No :WO 2011/141380
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)BOREALIS AG
Address of Applicant :IZD Tower Wagramerstraße 17-19,
A-1220 Vienna, AUSTRIA
(72)**Name of Inventor :**
1)JACOBS, Franciscus

(57) Abstract :

Capacitor film comprising a biaxially oriented polypropylene (BOPP) and more than 100 to below or equal 400 ppm of an alkali earth fatty acid salt.

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

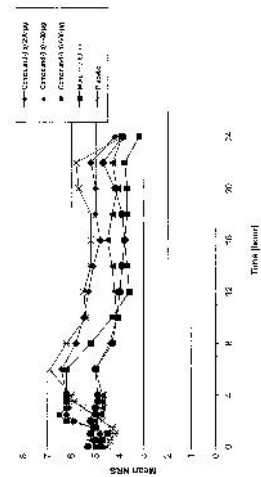
(54) Title of the invention : PHARMACEUTICAL DOSAGE FORM COMPRISING 6'-FLUORO-(N-METHYL- OR N, N-DIMETHYL-)-4-PHENYL-4',9'-DIHYDRO-3'H-SPIRO[CYCLOHEXANE-1,1'-PYRANO[3,4,B]INDOL]-4-AMINE

(51) International classification :A61K9/107,A61K47/12,A61K47/14
 (31) Priority Document No.:10008115.7
 (32) Priority Date :04/08/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/003918
 Filing Date :04/08/2011
 (87) International Publication No :WO 2012/016703
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)GRÜNENTHAL GMBH
 Address of Applicant :Zieglerstrasse 6, D-52078 Aachen, Germany
 (72)Name of Inventor :
1)GRÜNING, Nadja
2)SCHILLER, Marc

(57) Abstract :

The invention relates to a pharmaceutical dosage form for administration twice daily, once daily or less frequently, which contains 6-fluoro-(N- methyl- or N,N-dimethyl)-4-phenyl-4,9-dihydro- 3H-spiro[cyclohexane-1,1 -pyrano[3,4,b]indol]- 4-amine or a physiologically acceptable salt thereof.



No. of Pages : 63 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3098/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POLYPROYLENE BOTTLES

(51) International classification :C08L23/14,B29C49/04
(31) Priority Document No :10160474.2
(32) Priority Date :20/04/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056001
Filing Date :15/04/2011
(87) International Publication No :WO 2011/131578
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)BOREALIS AG
Address of Applicant :IZD Tower, Wagramerstraße 17-19,
A-1220 Vienna, AUSTRIA
(72)**Name of Inventor :**
1)BERNREITNER, Klaus
2)DOSHEV, Petar

(57) Abstract :

A polypropylene composition having a melt flow rate MFR2 (230 °C) measured according to according to ISO 1133 of at least 2.0 g/10min, said polypropylene composition comprises a propylene copolymer (C-PP) and a high melt strength polypropylene (HMS-PP), wherein the propylene copolymer (C-PP) (a) has a comonomer content of equal or below 7.0 wt. % the comonomers are ethylene and/or at least one C4 to C12 -olefin, and (b) fulfills the equation (I) $R + 4.96 \times C \geq 95.66$ wherein R is the randomness [%] measured by Fourier transform infrared spectroscopy (FTIR), and C is the comonomer content [wt-%] measured by Fourier transform infrared spectroscopy (FTIR).

No. of Pages : 41 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.33/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR MANUFACTURING MATERIAL FOR SINTERING

(51) International classification	:C22B1/16	(71) Name of Applicant :
(31) Priority Document No	:2010-172823	1)JFE STEEL CORPORATION
(32) Priority Date	:30/07/2010	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	:PCT/JP2011/067723	(72) Name of Inventor :
Filing Date	:27/07/2011	1)HIGUCHI Takahide
(87) International Publication No	:WO 2012/015066	2)OYAMA Nobuyuki
(61) Patent of Addition to Application	:NA	3)TAKEUCHI Naoyuki
Number	:NA	4)NUSHIRO Kouichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is an advantageous method for producing a starting material for sintering, wherein it is possible to improve productivity compared to conventional methods by effectively using ultrafine limestone powder and high-carbon dust during the process in which the surface of pseudo particles is being covered with a limestone-based powder starting material and a solid-fuel-based powder starting material. When the surface of pseudo particles is being covered with a limestone-based powder starting material and a solid-fuel-based powder starting material, a limestone-based powder starting material containing 5 to 40 mass% of ultrafine limestone particles is used as the limestone-based powder starting material and a solid-fuel-based powder starting material containing 5 to 40 mass% of high-carbon dust is used as the solid-fuel-based powder starting material.

No. of Pages : 52 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.35/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR MANUFACTURING SINTERING MATERIALS

(51) International classification	:C22B1/16	(71)Name of Applicant :
(31) Priority Document No	:2010-173048	1)JFE STEEL CORPORATION
(32) Priority Date	:30/07/2010	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	:PCT/JP2011/067717	(72)Name of Inventor :
Filing Date	:27/07/2011	1)HIGUCHI Takahide
(87) International Publication No	:WO 2012/015063	2)OYAMA Nobuyuki
(61) Patent of Addition to Application	:NA	3)TAKEUCHI Naoyuki
Number	:NA	4)NUSHIRO Kouichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a method for producing a starting material for sintering, wherein it is possible to improve productivity compared to conventional methods by effectively using ultrafine limestone powder and high-carbon dust during the process in which the surface of pseudo particles is being covered with a limestone-based powder starting material and a solid-fuel-based powder starting material. When forming a limestone-based powder starting material inner layer by supplying a limestone-based powder starting material to the surface of pseudo particles obtained by granulating a material containing SiO₂ and iron ore and when forming a solid-fuel-based powder starting material outer layer by supplying a solid-fuel-based powder starting material on the limestone-based powder starting material inner layer, a limestone-based powder starting material containing 5 to 40 mass% of ultrafine limestone particles is used as the limestone-based powder starting material and a solid-fuel-based powder starting material containing 5 to 40 mass% of high-carbon dust is used as the solid-fuel-based powder starting material.

No. of Pages : 49 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3162/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONTROL VALVE FOR AN OIL-INJECTED SCREW-TYPE COMPRESSOR

(51) International classification	:B60T17/02,F04C28/06	(71)Name of Applicant :
(31) Priority Document No	:10 2010 015 152.1	1)KNORR-BREMSE SYSTEME FÜR
(32) Priority Date	:16/04/2010	SCHIENENFAHRZEUGE GMBH
(33) Name of priority country	:Germany	Address of Applicant :Moosacher Str. 80, 80809 Munich,
(86) International Application No	:PCT/EP2011/055764	Germany
Filing Date	:13/04/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/128354	1)KÖCK Engelbert
(61) Patent of Addition to Application	:NA	2)HOFSTETTER Michael
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a control valve for an oil-injected screw-type compressor,in particular for installation in a vehicle, wherein oil located in a screw-type compressor housing can be supplied in a controlled manner via the control valve to a heat exchanger and/or to a bypass in such a way that cold oil is conducted through a bypass around the heat exchanger and warm oil is conducted through the heat exchanger. According to the invention, a control valve is provided for an oil injected screw type compressor and ensures rapid heating of the oil in the screw type compressor even with a short activation time. This is achieved in that the control valve has a control piston (2) that is actuated by a control element (3) and co operates respectively with a heat exchanger opening (13) disposed in a control valve housing (1) and a bypass opening (11), and that the control piston (2) controls at least one bypass opening (12) which co-operates with the heat exchanger opening (13).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3163/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR TRANSMITTING MEASUREMENT SIGNALS IN SPATIALLY EXTENSIVE SUPPLY NETWORKS

(51) International classification :H04Q9/00,H04L29/08,H04W52/02
(31) Priority Document No :10 2010 019 086.1
(32) Priority Date :30/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001703
Filing Date :06/04/2011
(87) International Publication No :WO 2011/134589
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ABB TECHNOLOGY AG
Address of Applicant :Affolternstraße 44, CH-8050 Zürich, SWITZERLAND
(72)Name of Inventor :
1)BLANK Frederik
2)GAUDER Markus
3)SCHMIDT Werner A.
4)LAUXTERMAN, Stefan

(57) Abstract :

The invention relates to a device and a method for transmitting measurement signals in spatially extensive supply networks (28) with measuring devices which have at least one sensor (10) and are intended to transmit statistical characteristic values relating to the operating behaviour to at least one control point (30) which is used to monitor and control the supply network (28), wherein the at least one control point (30) has a control room which is arranged centrally and/or in a decentralized manner and a respective sensor (10) for currently locally determining defined characteristic values is provided at different positions, and wherein in order to transmit the respective measured values to the at least one control point (30), wireless data transmission is provided and respectively transmits the data in packets at defined times wherein the measurement signals are transmitted dynamically, with the result that the correct data are thereby available in the correct quantity and quality at the correct time and the data which have been transmitted are classified, for the purposes of analysis, in terms of the relevance thereof to the operation of the supply network (28).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3543/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : FAULT DIAGNOSIS APPARATUS FOR AIRFLOW METER

(51) International classification	:F02D45/00,F02D41/22	(71) Name of Applicant :
(31) Priority Document No	:2010-096582	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:20/04/2010	Address of Applicant :2, TAKARA-CHO, KANAGAWA-
(33) Name of priority country	:Japan	KU YOKOHAMA-SHI, KANAGAWA 221-0023, JAPAN
(86) International Application No	:PCT/JP2011/059638	(72) Name of Inventor :
Filing Date	:19/04/2011	1)SATOSHI SEKINE
(87) International Publication No	:WO 2011/132677	
(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 fault diagnosis apparatus which determines that an airflow meter (11) has a fault when the divergence ratio, i.e., the divergence value of the estimated intake air quantity with respect to the actual intake air quantity obtained by the airflow meter (11) is larger than the fault determination reference value determined in accordance with the rotation speed of an internal combustion engine (1). Namely, it is determined that the airflow meter (11) is normal when the divergence value of the estimated intake air quantity with respect to the actual intake air quantity is equal to or less than the fault determination reference value, and the rotation speed of the internal combustion engine (1) is equal to or larger than a predetermined engine rotation speed; and the result of the determination is maintained when the rotation speed of the internal combustion engine (1) is smaller than the predetermined engine rotation speed. Thus, whether the airflow meter is normal or the current determination result is maintained is determined in accordance with the engine rotation speed, and accordingly, the accuracy of the fault diagnosis can be improved.

No. of Pages : 25 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3073/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : ANALOGUES FOR THE TREATMENT OR PREVENTION OF FLAVIVIRUS INFECTIONS

(51) International classification :C07D403/14,C07D401/14,C07D405/14
(31) Priority Document No :61/316,988
(32) Priority Date :24/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029825
Filing Date :24/03/2011
(87) International Publication No :WO 2011/119853
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)VERTEX PHARMACEUTICALS INCORPORATED

Address of Applicant :130 Waverly Street, Cambridge, Massachusetts 02139 U.S.A.

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2)BENNANI, Youssef L.

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4)MAXWELL, John

5)REDDY, Jagadeeswar, T.

6)YANNOPOULOS, Constantin

7)LIU, Bingcan

8)CADILHAC, Caroline

9)GIROUX, Simon

10)HENDERSON, James

11)DENIS, Real

12)VAILLANCOURT, Louis

13)PEREIRA, Oswy, Z.

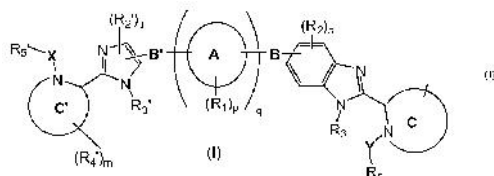
14)POISSON, Carl

15)FALARDEAU, Guy

16)MORRIS, Mark, A.

(57) Abstract :

Compounds represented by formula I as described herein or pharmaceutically acceptable salts thereof, wherein A, B, B', X, Y, R¹, R², R³, R³, R⁴, R⁴, R⁵, R⁵, m, n, or p are as defined herein, are useful for treating flaviviridae viral infections.



No. of Pages : 179 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3074/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR MOBILE COMMUNICATIONS, MOBILE STATION, WIRELESS BASE STATION, AND UPPER NODE

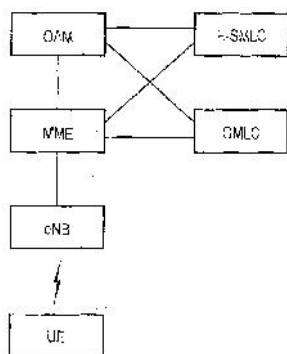
(51) International classification :H04W24/10
(31) Priority Document No :2010-087403
(32) Priority Date :05/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/058622
Filing Date :05/04/2011
(87) International Publication No :WO 2011/126014
(61) Patent of Addition 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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1)HAPSARI, Wuri Andarmawanti
2)UMESH, Anil
3)IWAMURA, Mikio
4)TAKAHASHI, Hideaki
5)ISHII, Minami

(57) Abstract :

Disclosed is a method for mobile communications. The method includes the steps of: a wireless base station (eNB) directing a target mobile station (UE) to perform MDT (Minimisation of Drive Test) in accordance with a MDT policy; the target mobile station (UE) acquiring the position information of the target mobile station (UE) from a positioning server (E-SMLC); and the target mobile station (UE) transmitting measurement results of a desired radio quality and the position information of the target mobile station (UE) to the wireless base station (eNB).



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

(54) Title of the invention : DEVICE FOR IMPROVING VEHICLE BEHAVIOR WHEN STEERING

(51) International classification :B60W30/02,B60L9/18,B60W10/08
 (31) Priority Document No :2010-102930
 (32) Priority Date :28/04/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/059174
 Filing Date :13/04/2011
 (87) International Publication No :WO 2011/136024
 (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)KAGEYAMA YUSUKE
2)KIMURA TAKESHI
3)KOBAYASHI YOSUKE
4)SHIOZAWA YUUKI
5)MURATA TOSHIYUKI

(57) Abstract :

The drive torque of a motor for driving a vehicle wheel, as shown in Fig.(3a), during the period between the start of steering t1 and an instant t2 when a prescribed interval TM1s has passed, is controlled so as to be a value which is temporarily increased from the intended motor torque by just the amount indicated by the solid line waveform in Fig.(3a); and during the period between t2 and an instant t4 when a prescribed interval TM2s has passed, the drive torque of a motor for driving a vehicle wheel is controlled so as to be a value which is temporarily decreased from the intended motor torque by just the amount indicated by the solid line waveform in Fig.(3a). In the t1 - t2 interval (initial stage) of Fig.(3c), the turning moment becomes large according to the difference between the turning moment of the turning direction of the outer wheel Mout and the turning moment (restoring moment) of the turning direction of the inner wheel Min. The increment in the yaw rate promptly rises in the initial stage of the instant t1 - t2 as indicated by a solid line in Fig. (3b), in accordance with the increase in the apparent lateral force caused by the increase in the turning moment, thus the yaw rate is caused to rise without delay, and thereby it is possible to greatly improve the steering response (initial turning characteristics) of the vehicle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3640/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : PROPYLENE POLYMER COMPOSITION HAVING SUPERIOR HEXANE EXTRACTABLES/IMPACT BALANCE

(51) International classification	:C08L23/10,C08L23/16	(71)Name of Applicant :
(31) Priority Document No	:10166089.2	1)BOREALIS AG
(32) Priority Date	:16/06/2010	Address of Applicant :WAGRAMER STRASSE 17-19, A-
(33) Name of priority country	:EPO	1220 VIENNA Austria
(86) International Application No	:PCT/EP2011/059899	(72)Name of Inventor :
Filing Date	:15/06/2011	1)BERNREITER KLAUS
(87) International Publication No	:WO 2011/157734	2)DOSHEV PETAR
(61) Patent of Addition to Application Number	:NA	3)POTTER GREGORY
Filing Date	:NA	4)SANDHOLZER MARTINA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Heterophasic polypropylene copolymers having an MFR (2.16 kg 230°C) of 15 to 200 g/10 min determined according to ISO 1133 comprising a propylene homo or copolymer matrix with an MFR (2.16 kg 230°C) of 80 to 500 g/10 min determined according to ISO 1133 (A) and an ethylene or C4-C10-alpha-olefin propylene rubber phase (B) dispersed within the matrix wherein the heterophasic polypropylene resin has a fraction soluble in p xylene at 25°C (XCS), having an intrinsic viscosity of 2.85 to 4.00 dl/g, determined according to DIN EN ISO 1628-1 and -3 and being composed of propylene monomer units in an amount of 70 wt% to 90 wt%, with optimum balance of impact resistance and low amount of hexane extractables; a process for their preparation and their use.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.22/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICES AND METHODS FOR RESPIRATORY VARIATION MONITORING BY MEASUREMENT OF RESPIRATORY VOLUMES, MOTION AND VARIABILITY

(51) International classification :A61B5/091
(31) Priority Document No :61/373,548
(32) Priority Date :13/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047812
Filing Date :15/08/2011
(87) International Publication No :WO 2012/021900
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)RESPIRATORY MOTION, INC.

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(72)Name of Inventor :

1)FREEMAN Jenny E.

2)LALLI Michael

3)MATTFOLK Alex

4)PANASYUK Alexander

5)JAHNKE Charles

6)STEIGER Nathaniel

7)V. PANASYUK Svetlana

8)NAGPAL Arvil

9)TOY IV James F.

10)Anita Karcz

11)Roman Bokhenik

(57) Abstract :

This invention is directed to devices and methods for assessing a patient. The devices have at least one impedance measuring element functionally connected to a programmable element, programmed to analyze an impedance measurement, and to provide an assessment of at least one respiratory parameter of the patient. Preferably the device includes electronics which aid in calibration, signal acquisition, conditioning, and filtering.

No. of Pages : 100 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3116/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DELIVERY OF CHOLESTERYL ESTER TO STEROIDOGENIC TISSUES

(51) International classification	:A61K38/45,A61P1/16	(71) Name of Applicant :
(31) Priority Document No	:61/331,909	1)ALPHACORE PHARMA LLC
(32) Priority Date	:06/05/2010	Address of Applicant :333 Parkland Plaza, Suite 5, Ann Arbor, Michigan 48103 U.S.A.
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:PCT/US2011/035500	1)AUERBACH, Bruce J.
Filing Date	:06/05/2011	2)HOMAN, Reynold
(87) International Publication No	:WO 2011/140429	3)KRAUSE, Brian
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are compositions and methods for treating conditions characterized by low HDL-CE which can lead to decreased delivery of cholesteryl ester to steroidogenic tissues, reducing the organ's ability to produce steroids especially during periods of demand, stress and or systemic inflammatory response syndrome.

No. of Pages : 34 No. of Claims : 62

(54) Title of the invention : DEVICE FOR IMPROVING VEHICLE BEHAVIOR WHEN STEERING

(51) International classification :B60W30/02,B60L15/20,B60W10/08
 (31) Priority Document No :2010-102931
 (32) Priority Date :28/04/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/059175
 Filing Date :13/04/2011
 (87) International Publication No :WO 2011/136025
 (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)YUSUKE KAGEYAMA

2)TAKESHI KIMURA

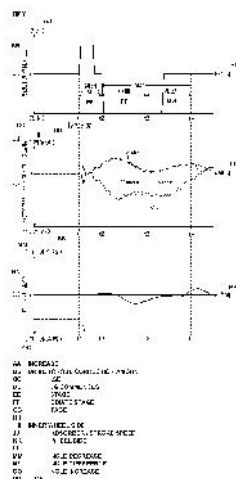
3)YOSUKE KOBAYASHI

4)YUUKI SHIOZAWA

5)TOSHIYUKI MURATA

(57) Abstract :

[Subject] To implement linearity of yawing behavior and suppression of roll during steering operation, without depending on change of a suspension device.[Solution] During the period between the start of steering t_1 and an instant t_2 when a prescribed interval $TM1s$ has passed, the drive torque of a motor for driving a vehicle wheel is as shown in (a) corrected so as to be a value which is temporarily increased from the intended motor torque by just the amount indicated by the solid line waveform in (a); and during the period between t_2 and an instant t_4 when a prescribed interval $TM2s$ has passed, the drive torque of a motor for driving a vehicle wheel is controlled so as to be a value which is temporarily decreased from the intended motor torque by just the amount indicated by the solid line waveform in (a). The motor torque decrease correction during the period $t_2 - t_4$ (the intermediate stage and the last stage) effect an inner and outer wheel load change which speeds up the roll speed; as indicated in (b), the inner and outer wheel side shock absorber /stroke speed V_{sabout} and V_{sabin} become faster than the V_{sabout} and the V_{sabin} when motor torque decrease correction is not executed. Hereby, the vibration damping force (roll suppressing force) of the shock absorber becomes larger and the roll angle can be made small during the period t_2-t_4 as shown by the solid line in (c), thus improving the feeling of rolling of the vehicle body while steering.



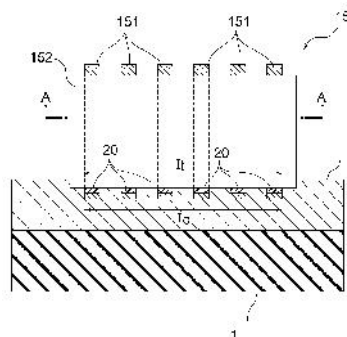
No. of Pages : 27 No. of Claims : 6

(54) Title of the invention : FLAT-TYPE BATTERY

(51) International classification	:H01M2/30,H01M2/26	(71)Name of Applicant :
(31) Priority Document No	:2010-103161	1)NISSAN MOTOR CO. LTD.
(32) Priority Date	:28/04/2010	Address of Applicant :2, TAKARA-CHO, KANAGAWA-
(33) Name of priority country	:Japan	KU YOKOHAMA-SHI, KANAGAWA 221-0023, JAPAN
(86) International Application No	:PCT/JP2011/059640	(72)Name of Inventor :
Filing Date	:19/04/2011	1)TAKAHASHI KUMIKO
(87) International Publication No	:WO 2011/136090	
(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 flat-type battery which is provided with: a power generating element (18) which is housed in an inner space formed by sealing the outer circumferences of outer housing members (16, 17); power collecting bodies (11a, 13a), which are connected to the electrode plates of the power generating element (18); and electrode tabs (14, 15), which are led out from the outer circumferences of the outer housing members (16, 17). Each of the electrode tabs (14, 15) has conductive sections (151), which are bonded by overlapping the power collecting bodies (11a, 13a), and a stress relaxing section (152), which is formed of a material having higher expansion/contraction characteristics compared with those of the conductive sections. Generation of wrinkles and peeling of a welding portion due to the difference between the ratio of expansion and contraction of the power collecting bodies (11a, 13a) and the ratio of expansion and contraction of the electrode tabs (14, 15) are eliminated.



No. of Pages : 49 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3656/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR TRANSPORTING AND PREPARING CELLULAR MATERIAL

(51) International classification :G01N1/40,B01L3/00,B01L3/14
(31) Priority Document No :10 2010 023 229.7
(32) Priority Date :09/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/001068
Filing Date :12/05/2011
(87) International Publication No :WO 2011/153986
(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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HEIDELBERG Germany
2)FIAC VASS, LÁSZLÓ
(72)**Name of Inventor :**
1)BERNERS, OTTO
2)FIAC VASS, LÁSZLÓ

(57) Abstract :

The invention relates to a device for transporting and preparing cellular material in a fluid for subsequent diagnostic purposes, comprising a cylinder (2) having a fluid-tight screw-on cap (4) and having a fluid-tight base part (3) that can be screwed off of the cylinder (2), wherein the cap (4) can be screwed onto the base part (3) in a fluid-tight manner. The device provides for introducing cellular material to be diagnosed into a fluid in the cylinder (2), closing the cylinder (2) by means of a cap (4) for transport, removing the cap (4), introducing a filter device (8) and in conjunction thereto concentrating the cellular material on a filter surface (13), after which the fluid level is at that of the base part (3) below the connection to the cylinder (2), disposing of the filtrate (20), removing the base part (3), pressing the filter surface (13) onto an object carrier (23) for a cell analysis, and closing the base part (3) by means of the cap (4) for further transport.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3657/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR REAL TIME MULTIPLEXING WITH RECEIVER AND ANTENNA ARRAY ELEMENTS

(51) International classification :H04L27/06
(31) Priority Document No :61/352,268
(32) Priority Date :07/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039404
Filing Date :07/06/2011
(87) International Publication No :WO 2011/156342
(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)PETROVIC, BRANISLAV

(57) Abstract :

A method of signal processing, or corresponding apparatus, includes providing multiple analog receive signals at respective antennas and selecting one antenna at a time in an iterative manner, to cycle through the antennas and provide a multiplexed analog signal. The multiplexed analog signal is filtered at a filter to pass a predetermined frequency band. The multiplexed analog signal is sampled at a single analog to digital converter to generate a multiplexed digital signal. The multiplexed digital signal is demultiplexed to generate multiple digital signals for digital processing. Sharing a receiver and ADC among multiple antennas results in reduced cost and power. Such cost and power reductions in turn enable larger antenna arrays than are available with prior art techniques, thereby promoting increased throughput and coverage.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3660/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COMPOSITE MATERIAL CONTAINING A MIXED LITHIUM METAL PHOSPHATE

(51) International classification :C01B25/45,H01M4/58,H01M10/052
(31) Priority Document No :10 2010 021804.9-45
(32) Priority Date :27/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/058626
Filing Date :26/05/2011
(87) International Publication No :WO 2011/147907
(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)DR.NICOLAS TRAN
3)DR.CHRISTIAN VOGLER
4)DR.CHRISTOPH STINNER

(57) Abstract :

The present invention relates to a composite material containing particles of a lithium transition metal phosphate and carbon with a carbon content of < 1.4 wt.-%. The present invention further relates to an electrode containing the composite material and a secondary lithium-ion battery containing an electrode comprising the composite material.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3661/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ETHANOL COMPOSITIONS

(51) International classification :C07C31/08
(31) Priority Document No :12/852,290
(32) Priority Date :06/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046493
Filing Date :03/08/2011
(87) International Publication No :WO 2012/018958
(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)R. JAY WARNER
4)HEIKO WEINER
5)TRINITY HALE
6)RADMILA WOLLRAB

(57) Abstract :

In one embodiment, the present invention is to an ethanol composition comprising at least 85 wt.% ethanol and from 95 wppm to 850 wppm isopropanol.

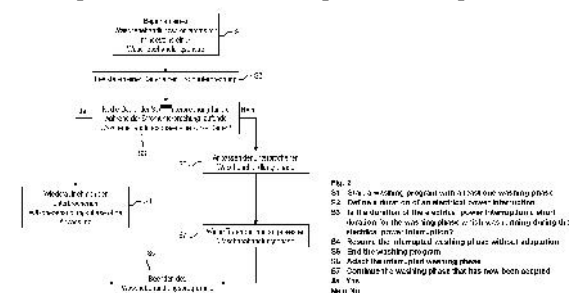
No. of Pages : 56 No. of Claims : 59

(54) Title of the invention : WASHING MACHINE AND METHOD FOR OPERATION OF A WASHING MACHINE

(51) International classification	:D06F58/28,D06F39/00	(71)Name of Applicant :	
(31) Priority Document No	:10 2010 030 062.4	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH	
(32) Priority Date	:15/06/2010	Address of Applicant :CARL-WERY-STR. 34, 81739	
(33) Name of priority country	:Germany	MÜNCHEN, Germany	
(86) International Application No	:PCT/EP2011/059768	(72)Name of Inventor :	
Filing Date	:14/06/2011	1)SCHNEIDER THOMAS	
(87) International Publication No	:WO 2011/157672	2)MOSCHÜTZ Harald	
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

The washing machine (1) is designed to carry out at least one washing program, to define a duration of an electrical power interruption (S2) and, after the electrical power interruption, to adapt a washing program, which was running during the electrical power interruption, to the duration of the electrical power interruption (S6) and to continue it (S7). The method is used for operation of a washing machine (1), with a duration of an electrical power interruption (S2) being defined, and with a washing program which was running during the electrical power interruption being matched (S6) to the duration of the electrical power interruption after the electrical power interruption, and being continued (S7).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3663/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

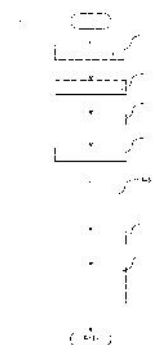
(54) Title of the invention : ELECTROCHROMIC DEVICES

(51) International classification :G02F1/01
(31) Priority Document No :12/772,055
(32) Priority Date :30/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033822
Filing Date :25/04/2011
(87) International Publication No :WO 2011/137080
(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)WANG ,ZHONGCHUN
2)PRADHAN, ANSHU
3)ROZBICKI, ROBERT

(57) Abstract :

Conventional electrochromic devices frequently suffer from poor reliability and poor performance. Improvements are made using entirely solid and inorganic materials. Electrochromic devices are fabricated by forming an ion conducting electronically insulating interfacial region that serves as an IC layer. In some methods the interfacial region is formed formation of an electrochromic and a counter electrode layer. The interfacial region contains an ion conducting electronically insulating material along with components of the electrochromic and/or the counter electrode layer. Materials and microstructure of the electrochromic devices provide improvements in performance and reliability over conventional devices.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3664/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PREAMBLE REDUCTION

(51) International classification :H04W36/00
(31) Priority Document No :61/352,893
(32) Priority Date :09/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039735
Filing Date :09/06/2011
(87) International Publication No :WO 2011/156561
(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)BARR, DAVID
2)TSATSANIS,MICHAEL

(57) Abstract :

A method of reducing resource overhead attributed to preambles in a communication system includes transmitting at a transmitter one or more signals including a first packet. The first packet is transmitted in a first time frequency grant including a first set of one or more subcarriers. The first packet includes a full preamble including reference signal information for determining a total channel estimate for every subcarrier to be used in transmission of the first packet. A second packet is transmitted in a second time frequency grant including a second set of one or more subcarriers without a full preamble when a receiver configured to communicate with the transmitter can determine a phase offset between the transmitter and the receiver from the signals received at the receiver.

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3665/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : AQUEOUS RESIN COMPOSITION FOR FORMING A THICK FILM, AND SURFACE TREATMENT METHOD USING SAID COMPOSITION

(51) International classification :C09D201/00,C09D5/02,C09D7/12
(31) Priority Document No :2010-132486
(32) Priority Date :09/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059525
Filing Date :18/04/2011
(87) International Publication No :WO 2011/155262
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SHOWA DENKO K. K.
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(72)Name of Inventor :
1)NAKAMURA , KIMHIKO

(57) Abstract :

To provide an aqueous resin composition for forming a thick film that can be used for thick film application to a surface to be treated of a concrete structure and the like, that can be dried within 12 hours from the application thereof, and that can afford an applied film superior in durability, such as water resistance, acid resistance, and alkali resistance, and also provide a surface treatment method using the composition. The present invention relates to an aqueous resin composition for forming a thick film including an aqueous synthetic resin emulsion (A) and a glass filler (B) and has a non-volatile content of 65 to 85% by mass. Further, the present invention relates to a method for treating a surface to be treated, the method including forming a film having a thickness of from 0.1 to 2.0 mm by applying an aqueous resin composition for forming a thick film to a surface to be treated and then drying it. Furthermore, the present invention relates to a method for treating a surface of a concrete structure, the method including applying an aqueous resin composition for forming a thick film to the concrete structure and then drying it.

No. of Pages : 30 No. of Claims : 8

(54) Title of the invention : PIPE SCREW COUPLING

(51) International classification :F16L15/04
 (31) Priority Document No :2010-149547
 (32) Priority Date :30/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/064862
 Filing Date :22/06/2011
 (87) International Publication No :WO 2012/002409
 (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)SONOBE ,OSAMU

2)NAGAHAMA,TAKUYA

3)YOSHIKAWA,MASAKI

4)TAKANO,JUN

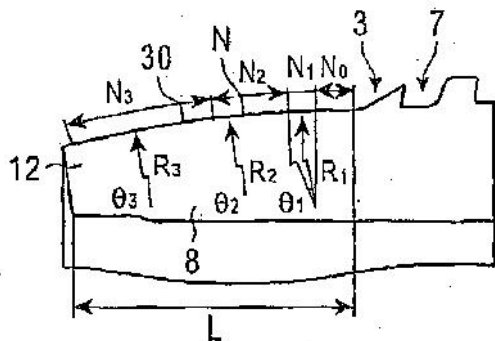
5)KAWAI,TAKAMASA

6)TAKAHASHI,KAZUNARI

(57) Abstract :

Provided is a threaded joint for a pipe in which sealability, compression resistance, and galling resistance are enhanced.

Specifically, a pin nose outer peripheral surface (30) forms an outward convex curve in an axial cross-sectional view; the convex curve is such that a composite R curve (N), in which a plurality of outward convex arcs having different radiuses of curvature (Rs) are connected in sequence to a generating line of a cylindrical portion next to a male member (5), is curved such that the radiuses of curvature (Rs) increase with distance from the male member (5) and tangents on connection points of the arcs are aligned with those of corresponding arcs connected thereto; and the inner peripheral surface of a box component (1) facing the pin nose (30) is a tapered surface (20) that interferes with the pin nose outer peripheral surface (30) when connected to a pin component (3).



No. of Pages : 41 No. of Claims : 11

(54) Title of the invention : METHOD OF TERMINAL TRANSMITTING SOUNDING REFERENCE SIGNAL ON THE BASIS OF APERIODIC SOUNDING REFERENCE SIGNAL TRIGGERING AND METHOD FOR CONTROLLING UPLINK TRANSMISSION POWER TO TRANSMIT APERIODIC SOUNDING REFERENCE SIGNAL

(51) International classification :H04J11/00,H04B7/26,H04W52/36
 (31) Priority Document No :61/351,306
 (32) Priority Date :04/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/004088
 Filing Date :03/06/2011
 (87) International Publication No :WO 2011/152685
 (61) 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)LEE, SEUNGMIN
2)SUH, HANBYUL
3)KIM, KIJUN
4)KIM, HAKSEONG

(57) Abstract :

A method for a User Equipment (UE) to transmit a Sounding Reference Signal(SRS) based on aperiodic SRS triggering in a wireless communication system and a method for a UE to control uplink transmission power for aperiodic SRS transmission are provided. The method for a UE to transmit an SRS includes receiving a plurality of aperiodic SRS configuration information from an eNodeB, receiving an aperiodic SRS transmission triggering indicator from the eNodeB, selecting specific aperiodic SRS configuration information from a plurality of aperiodic SRS configuration information based on an uplink channel state or a time point at which the aperiodic SRS transmission triggering indicator is received, and transmitting an aperiodic SRS associated with the aperiodic SRS transmission triggering indicator based on the selected aperiodic SRS configuration information, wherein the plurality of aperiodic SRS configuration information includes information regarding a subframe for transmitting an aperiodic SRS in response to the aperiodic SRS transmission triggering indicator.

No. of Pages : 136 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3682/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BI-SPECIFIC FUSION PROTEINS

(51) International classification :C12N15/62
(31) Priority Document No :61/347,040
(32) Priority Date :21/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037459
Filing Date :20/05/2011
(87) International Publication No :WO 2011/146902
(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)SCHOEBERL, BIRGIT

3)HARMS, BRIAN

4)LINGGL, BRYAN

5)ONSUM, MATTHEW

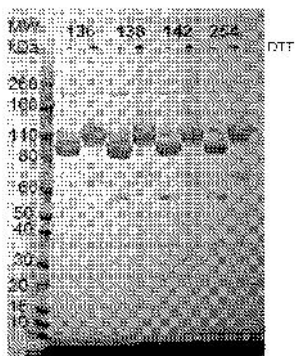
6)DELABARRE, BYRON

7)LIPPOW, SHAUN, M.

8)NIELSEN, ULRIK

(57) Abstract :

Bi-specific fusion proteins with therapeutic uses are provided, as well as pharmaceutical compositions comprising such fusion proteins, and methods for using such fusion proteins to repair or regenerate damaged or diseased tissue. The bi-specific fusion proteins generally comprise: (a) a targeting polypeptide domain that binds to a target molecule; and (b) an activator domain that detectably modulates tissue regeneration.



No. of Pages : 137 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3683/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : RUBBER COMPOSITION AND PNEUMATIC TIRE

(51) International classification :C08L21/00,C08F236/04,C08K3/36
(31) Priority Document No :2010-166244
(32) Priority Date :23/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066689
Filing Date :22/07/2011
(87) International Publication No :WO 2012/011561
(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)NISHIOKA KAZUYUKI
2)HINOHARA YUKO
3)MABUCHI TAKAHIRO

(57) Abstract :

The present invention provides a rubber composition that achieves a well-balanced improvement in fuel economy, wet-grip performance, and abrasion resistance, and a pneumatic tire formed from the rubber composition. The present invention relates to a rubber composition, including a rubber component and silica, wherein the rubber component contains not less than 5% by mass of a conjugated diene polymer, based on 100% by mass of the rubber component, the conjugated diene polymer containing a constituent unit derived from a conjugated diene and a constituent unit represented by the following formula (I): at least one terminal of the conjugated diene polymer being modified by a compound represented by the following formula (II): and wherein the silica is contained in an amount of 5 to 150 parts by mass per 100 parts by mass of the rubber component.

No. of Pages : 68 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3684/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DRUM FOR SHOT BLAST APPARATUS AND SHOT BLAST APPARATUS

(51) International classification :B24C3/30
(31) Priority Document No :2010-140938
(32) Priority Date :21/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/068052
Filing Date :14/10/2010
(87) International Publication No :WO 2011/161841
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SINTOKOGIO, LTD.
Address of Applicant :28-12, MEIEKI 3-CHOME,
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(72)**Name of Inventor :**
1)TATEMATSU, RYO
2)ISHIKAWA, MITSUO
3)SUZUKI, TSUNETOSHI

(57) Abstract :

The present invention provides a drum for a shot blasting apparatus that uniformly treats the works to be treated by increasing the level of agitation of the works that are buried at the bottom of the drum, and, further, suppressing the traces of collisions on the works, which traces are caused by the works colliding with each other. The present invention also provides the shot blasting apparatus using the drum. The drum comprises a hollow middle part, a lower-half part having the shape of a truncated cone, having a closed bottom, and having a projecting part for agitating that is connected to both the lower-half part and the middle part, and that agitates the works, wherein the projecting part for agitating has at least two surfaces, one being the surface for picking-up the works and the other being the surface for having the works slide down. The shot blasting apparatus of the present invention comprises, in addition to the drum for the shot blasting apparatus, a cabinet and a centrifugal injecting device wherein the cabinet comprises a sealing wall member consisting of a ceiling-wall, a floor-wall, and both side walls, on the side of the opening of the cabinet. The cover is attached to the drum, and they can turn around as one body.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3229/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/10/2012

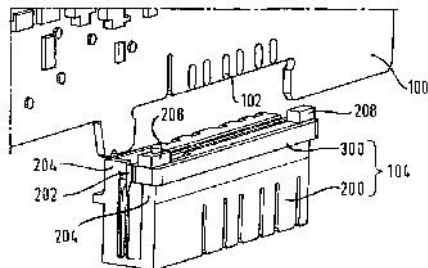
(43) Publication Date : 21/06/2013

(54) Title of the invention : CONNECTION BASE OF CONTROL CIRCUIT BOARD OF WASHING MACHINE

(51) International classification	:H01R13/52,D06F39/00	(71)Name of Applicant :	
(31) Priority Document No	:201020204410.5	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH	
(32) Priority Date	:24/05/2010	Address of Applicant :Carl-Wery-Str. 34, 81739	
(33) Name of priority country	:China	München,Germany	
(86) International Application No	:PCT/EP2011/057495	(72)Name of Inventor :	
Filing Date	:10/05/2011	1)SHAO Zuo	
(87) International Publication No	:WO 2011/147676	2)SONG Zhangying	
(61) Patent of Addition to Application		3)YE Jiandong	
Number	:NA	4)YE Weidong	
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

A connection base (104) of a control circuit board (100) of a washing machine is provided, in which the control circuit board (100) includes a group of conductive contacts (102), and the connection base (104) includes a connection base body (200) mounted on the control circuit board (100) and covering the conductive contacts (102); a sealing element (300) is disposed between the connection base body (200) and the control circuit board (100), and the sealing element (300) separates the conductive contacts (102) from an outside space of the connection base body (200) hermetically, so that the conductive contacts (102) are sealed in the connection base body (200), and water drops or water vapor are inhibited from enter therein, thereby avoiding the short circuit caused by the action of the water.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3230/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NONCONTACT POWER FEEDING APPARATUS AND NONCONTACT POWER FEEDING METHOD

(51) International classification :H02J17/00
(31) Priority Document No :2010-080737
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/055193
Filing Date :07/03/2011
(87) International Publication No :WO 2011/122249
(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)THRONGNUMCHAI Kraisorn
2)KAI Toshihiro
3)MINAGAWA Yusuke

(57) Abstract :

A contactless power feeding apparatus of one embodiment is provided with a power transmission resonant unit, and a power reception resonant unit, that magnetically couples with the power transmission resonant unit with resonance in magnetic field therewith. Power from a power supply is fed to the power reception resonant unit via the power transmission resonant unit by having the power transmission resonant unit and the power reception resonant unit magnetically coupled through resonance in magnetic field. Either one of the power transmission resonant unit and the power reception resonant unit has a single prescribed resonance frequency and the other one thereof has a plurality of resonance frequencies including the single prescribed resonance frequency.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3692/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : UNIAXIAL ECCENTRIC SCREW PUMP

(51) International classification :F04C 2/107
(31) Priority Document No :2010-130396
(32) Priority Date :07/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061711
Filing Date :23/05/2011
(87) International Publication No :WO 2011/155312
(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)EICHER Max
3)STAUD Ralph
4)TISCHER Thomas

(57) Abstract :

The invention relates to a refrigerator comprising a body (1) and a door (2) that delimit a storage chamber (6) a means (7) for driving a cold air flow circulating in the storage chamber (6) and a tank (13) that is disposed in the storage chamber (6) and comprises an inlet opening (16) and an outlet opening for the cold air flow. The outlet opening has a smaller free cross section (26) than the inlet opening (16) at least some of the time.

No. of Pages : 38 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3693/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : V-SHAPED FILTER AND FIXTURE

(51) International classification :B01D46/00

(31) Priority Document No :61/383,419

(32) Priority Date :16/09/2010

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

(86) International Application No :PCT/US2011/050593

Filing Date :07/09/2011

(87) International Publication No :WO 2012/036940

(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 :1400-73RD AVENUE NE,
MINNEAPOLIS, MN 55432, U.S.A.

(72)Name of Inventor :

1)BUDI ANTONY

2)MARK V. HOLZMANN

3)SCOTT, W. SCHWARTZ

(57) Abstract :

A V-shaped filter includes a pair of filter media panel elements having respective root ends and diverging therefrom to distal ends in a V shape. A single unitarily molded fixture is provided securing the pair of filter media panel elements in the V-shape.

No. of Pages : 26 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3694/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PANEL FILTER WITH REDUCED RESTRICTION

(51) International classification	:F02M35/024,B01D46/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)CUMMINS FILTRATION IP INC.
(32) Priority Date	:NA	Address of Applicant :1400-73rd Avenue NE, Minneapolis
(33) Name of priority country	:NA	MN 55432 U.S.A.
(86) International Application No	:PCT/CN2010/078173	(72) Name of Inventor :
Filing Date	:27/10/2010	1)ZOU JING
(87) International Publication No	:WO 2012/055102	2)WANG JIANHUA
(61) Patent of Addition to Application	:NA	3)VENKATARAMAN KAARTHIL
Number	:NA	4)KAZDA CARA.R
Filing Date	:NA	5)LUKASAVITZ JOHN C
(62) Divisional to Application	:NA	6)BANNISTER ROBERT A.
Number	:NA	7)KENDALL ORVIN D.
Filing Date	:NA	8)SCHWARTZ SCOTT W.

(57) Abstract :

A filter assembly (30), panel filter element (38) and method for servicing the filter assembly (30) are provided. The filter assembly (30) includes a housing (32) having an inlet (34) and an outlet (36), and the panel filter element (38) including a filter media (40) in the housing (32) for filtering fluid from the inlet (34) to the outlet (36). The panel filter element (38) is configured for reducing inlet flow restriction from the housing inlet (34) into an inlet plenum (42) and reducing outlet flow restriction from an outlet plenum (44) to the housing outlet (36).

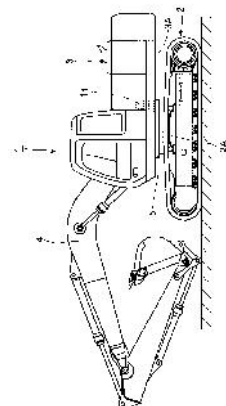
No. of Pages : 27 No. of Claims : 46

(54) Title of the invention : SWING DEVICE FOR CONSTRUCTION MACHINE

(51) International classification	:E02F9/12,E02F9/20	(71)Name of Applicant :
(31) Priority Document No	:2010-149470	1)Hitachi Construction Machinery Co., Ltd.
(32) Priority Date	:30/06/2010	Address of Applicant :5-1, Koraku 2-chome, Bunkyo-ku,
(33) Name of priority country	:Japan	Tokyo 112-0004 JAPAN
(86) International Application No	:PCT/JP2011/063919	(72)Name of Inventor :
Filing Date	:17/06/2011	1)UZAWA Nobuo
(87) International Publication No	:WO 2012/002175	2)OJIMA Mitsugu
(61) Patent of Addition to Application	:NA	3)ISHIKAWA Kouji
Number	:NA	4)SATAKE Hidetoshi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A speed reducer (12) is installed on top of a swing frame (3A). An electric motor (22) having an electric motor shaft (27) is disposed on the upper side of the speed reducer (12). A hydraulic motor (34) having a hydraulic motor shaft (41) is disposed on the upper side of the electric motor (22). A shaft insertion hole (23E) where through the upper end of the electric motor shaft (27) is inserted is provided in a cover section (23B) of an electric motor casing (23). A male spline section (41A) provided at the lower end of the hydraulic motor shaft (41) is fitted into a female spline section (27B) provided at the upper end of the electric motor shaft (27). A bearing (28) is provided between the shaft insertion hole (23E) and the electric motor shaft (27). Furthermore a pressure seal (43) is provided at a position above the bearing (28). Due to the above the spline fitting portion between the female spline section (27B) and the male spline section (41A) is lubricated at all times by making use of the oil which leaks from the hydraulic motor (34).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3138/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

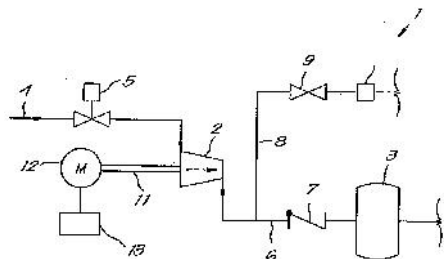
(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR CONTROLLING A COMPRESSOR

(51) International classification	:F04D17/12,F04D27/02	(71)Name of Applicant :	
(31) Priority Document No	:2010/0253	1)ATLAS COPCO AIRPOWER, naamloze vennootschap	
(32) Priority Date	:20/04/2010	Address of Applicant :Boomsesteenweg, 957, B-2610	
(33) Name of priority country	:Belgium	Wilrijk, BELGIUM	
(86) International Application No	:PCT/BE2011/000019	(72)Name of Inventor :	
Filing Date	:08/04/2011	1)HUBERLAND Filip, Gustaaf, M.	
(87) International Publication No	:WO 2011/130807	2)JANSSENS, Stijn Jozef, Rita, Johanna	
(61) Patent of Addition to Application Number	:NA	3)PAHNER Uwe	
Filing Date	:NA	4)BEYENS, Filip, Petrus I.	
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

Method for controlling a compressor that contains a compressor element, characterised in that during a transition from full load or partial load to zero load, a process A is followed that comprises the following steps: the reduction of the inlet pressure; the reduction of the speed and/or the drive torque and/or during a transition from zero load to partial load or full load, a process B is followed that comprises the following steps: increase of the speed or drive; and , the increase of the inlet pressure.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3139/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PLAYING LIVE CONTENT

(51) International classification :H04N7/173,H04N5/44
(31) Priority Document No :10-2010-0038677
(32) Priority Date :26/04/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002792
Filing Date :19/04/2011
(87) International Publication No :WO 2011/136496
(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)KEUM Ji Eun
2)SONG Jae Yeon
3)JUNG Bo Sun

(57) Abstract :

A method for providing a client with a playlist of content segments accessible in the live streaming service provided in a Hypertext Transfer Protocol (HTTP) adaptive streaming format is provided. A live content processing method for a broadcast system includes transmitting and updating content related information sent from a server to a client, checking, at the client, content segments accessible in real time and saving a previous content related information, retrieving the content segments playable by referencing the previous content related information determining, at the client, whether the content requested for playback can be playable using a playlist, and notifying the user of the playback result.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3721/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MAT OF POLYMER FIBRES CONTAINING A DIHYDRAZIDE AND USE THEREOF

(51) International classification :B27N7/00,B32B5/28,B32B21/10
(31) Priority Document No :1054021
(32) Priority Date :25/05/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051074
Filing Date :13/05/2011
(87) International Publication No :WO 2011/148076
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAINT-GOBAIN ADFORS
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(72)**Name of Inventor :**
1)BLANCHARD, BENJAMIN
2)JAFFRENNOU, BORIS
3)CHUDA, KATARZYNA

(57) Abstract :

The present invention relates to a mat of polymer fibers capable of trapping formaldehyde which contains at least one dihydrazide. Another subject of the invention is the use of said mat, in particular as a surface covering for thermal and/or sound insulation products, in particular based on mineral wool, polystyrene or on an organic or inorganic foam.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3722/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ACCELERATOR FOR TWO PARTICLE BEAMS FOR PRODUCING A COLLISION

(51) International classification:H05H5/06,G21B3/00,G21B1/19
(31) Priority Document No :10 2010 023 339.0
(32) Priority Date :10/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/055235
Filing Date :05/04/2011
(87) International Publication No :WO 2011/154172
(61) 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)OLIVER HEID

(57) Abstract :

The invention relates to an accelerator for accelerating two beams of charged particles and for producing a collision of the two beams, having: - a potential field apparatus for producing an electrostatic potential field which is such that the two beams of the charged particles are acceleratable or deceleratable by the electrostatic field, - a reaction zone, in which the collision of the two charged particles takes place, - a first acceleration distance for the first beam in the potential field, which first acceleration distance is directed towards the reaction zone,- a second acceleration distance for the second beam in the potential field, which second acceleration distance is directed towards the reaction zone, wherein the reaction zone is arranged geometrically with respect to the potential field and to the first and second acceleration distances such that the particles of the two beams are acceleratable towards the reaction zone along the first acceleration distance and the second acceleration distance and, after interaction in the reaction zone and passage through the reaction zone, are deceleratable again in the potential field, with the result that the energy used by the potential field apparatus for accelerating the two beams towards the reaction zone can be recovered at least partially by the deceleration.

No. of Pages : 51 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3723/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : HIGH STRENGTH GALVANIZED STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/06,C22C38/54,C21D9/46
(31) Priority Document No :2010-147423
(32) Priority Date :29/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065414
Filing Date :29/06/2011
(87) International Publication No :WO 2012/002565
(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)KENJI KAWAMURA
2)HIDETAKA KAWABE
3)KAZUHIRO SETO

(57) Abstract :

There are provided a high strength galvanized steel sheet having a small thickness and excellent formability and a method for manufacturing thereof. Performed are a hot rolling step of subjecting a steel having a composition which includes, by mass%, 0.08 to 0.15% of C, 0.5 to 1.5% of Si, 0.5 to 1.5% of Mn, 0.01 to 0.1% of Al, and 0.005% or less of N, to hot rolling to form a hot rolled sheet; pickling of the hot rolled sheet; subsequently, without cold rolling, with a continuous galvanizing line, annealing in which the hot rolled sheet is held for 5 to 400 s in a first temperature region of an Ac1 transformation point to an Ac3 transformation point, cooling in which cooling from the first temperature region to 700°C is performed at an average cooling rate of 5°C/s or higher and a residence time in a second temperature region of 700°C to a temperature for entry into a galvanizing bath is in the range of 15 to 400 s, and subsequently galvanizing. As a result, it is possible to obtain a microstructure composed of a ferrite phase of which an area fraction with respect to the entire microstructure is in the range of 75 to 90% and a second phase including pearlite of which the area fraction is in the range of 10 to 25%, and thus a high strength galvanized steel sheet having excellent formability with a high strength, that is, a TS of 540 MPa or higher and excellent stretch flangeability is obtained. The pearlite occupies 70% or more in terms of an area fraction with respect to the entire second phase, and the average grain size of the pearlite is 5 µm or smaller.

No. of Pages : 51 No. of Claims : 16

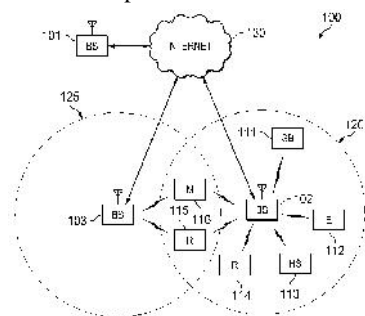
(54) Title of the invention : SYSTEM AND METHOD FOR PUCCH SUBBAND FEEDBACK SIGNALING IN A WIRELESS NETWORK

(51) International classification :H04B7/04,H04J11/00,H04B7/26
 (31) Priority Document No :61/384,156
 (32) Priority Date :17/09/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/006868
 Filing Date :16/09/2011
 (87) International Publication No :WO 2012/036513
 (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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 YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 443-742,
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 (72)Name of Inventor :
1)ZHANG, JIANZHONG
2)LIU, LINGJIA

(57) Abstract :

A mobile station for use in a wireless network. The mobile station transmits feedback reports to a base station of the wireless network. The feedback reports comprise a first feedback report, a second feedback report and a third feedback report. The first feedback report includes a precoder type indication (PTI) value that indicates at least one of a period of the second feedback report and a period of the third feedback report. The PTI value indicates a ratio of the second feedback report period to the third feedback report period. The PTI value also indicates the selected feedback information contained in the second feedback report and the third feedback report.



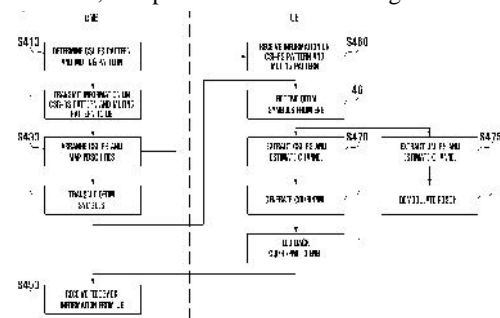
No. of Pages : 24 No. of Claims : 15

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04B7/04,H04J11/00	(71)Name of Applicant :
(31) Priority Document No	:10-2010-0078232	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:13/08/2010	Address of Applicant :129, SAMSUNG-RO
(33) Name of priority country	:Republic of Korea	YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 443-742,
(86) International Application No	:PCT/KR2011/005906	KOREA
Filing Date	:11/08/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/021008	1)KIM, SUNG TAE
(61) Patent of Addition to Application Number	:NA	2)KIM, YOUN SUN
Filing Date	:NA	3)HAN, JIN-KYU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatus are provided for transmitting processing reference signals in a mobile communication system. A base station determines a reference signal pattern comprising at least one resource element, generates a bitmap indicator indicating whether zero transmission power is assigned to the at least one resource element of the reference signal pattern, and transmits the reference signal pattern and the bitmap indicator to a terminal. The terminal receives the reference signal pattern and the bitmap indicator, and processes a reference signal extracted according to the reference signal pattern and the bitmap indicator.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3727/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METALLIC PIGMENT COMPOSITION

(51) International classification :C09C3/06,C09C1/64,C09C3/08

(31) Priority Document No :2010-130770

(32) Priority Date :08/06/2010

(33) Name of priority country :Japan

(86) International Application
No :PCT/JP2011/062770

Filing Date :03/06/2011

(87) International Publication
No :WO 2011/155399

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

(62) Divisional to Application
Number :NA

Filing Date :NA

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CHIYODA-KU, TOKYO 101-8101, JAPAN

(72)Name of Inventor :

1)NAKAJIMA KAZUKO

2)UEYANAGI KAORU

(57) Abstract :

Disclosed is a metallic pigment composition which can provide, when used in a coating composition, an ink composition or the like, in particular, a water-based coating, a water-based ink or the like, a coating film having a high storage stability, a good adhesiveness, a good chemical resistance and a good color tone. Specifically disclosed is a metallic pigment composition which comprises at least one kind of compound selected from a heteropolyanion compound and a mixed-ligand heteropolyanion compound, an organic oligomer or polymer, and metal grains.

No. of Pages : 70 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1105/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :28/08/2009

(43) Publication Date : 21/06/2013

(54) Title of the invention : MOISTURIZING DENDRIMER AND PROCESS THEREOF

(51) International classification	:c07c	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ITC LIMITED
(32) Priority Date	:NA	Address of Applicant :37, J.L. NEHRU ROAD, KOLKATA
(33) Name of priority country	:NA	- 700 071, STATE OF WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DOSS JAYAPRAKASH
(87) International Publication No	: NA	2)VENKATESH CHETHANA
(61) Patent of Addition to Application Number	:NA	3)HUSAIN MANSOOR
Filing Date	:NA	4)KIRUBAKARAN BALAVAISHNAVI
(62) Divisional to Application Number	:NA	5)ACHAR SUDHIR
Filing Date	:NA	6)RAMAMURTHI SURESH

(57) Abstract :

A moisturizing dendrimer comprising at least one of a vicinal hydrogen bonding group; a geminal hydrogen bonding group; or a combination thereof. A process for the preparation of the moisturizing dendrimer, comprising allylation of at least one dendrimer core comprising at least on hydroxyl group; oxidation of allyl group to an epoxide; ring opening of epoxide with nucleophile having at least one hydrogen bonding group. A composition comprising at least one moisturizing dendrimer comprising at least one of a vicinal hydrogen bonding group; geminal hydrogen bonding group; or a combination thereof; and conventional ingredients.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3711/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NOVEL PROCESS

(51) International classification :A61K9/107,A61K47/06,A61K47/22
(31) Priority Document No.:1009676.6
(32) Priority Date :10/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/059489
Filing Date :08/06/2011
(87) International Publication No :WO 2011/154444
(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)MANCUSO,VINCENT

(57) Abstract :

The present invention provides processes for the production of a submicron oil in water emulsion comprising the steps: a. preparing a submicron oil in water emulsion; b. pre-filtering the oil in water emulsion through sterile grade filter. c. filtering an oil in water emulsion filtered according to step b) through a sterile grade filter separate to that of step b).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3712/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SOLID CORE COACERVATED CAPSULES

(51) International classification :A61K8/11,A61K8/65,A61Q19/00
(31) Priority Document No :10167816.7
(32) Priority Date :30/06/2010
(33) Name of priority country:EPO
(86) International Application No:PCT/IB2011/052807
Filing Date :27/06/2011
(87) International Publication No:WO 2012/001604
(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)DARDELLE GREGORY

(57) Abstract :

The invention relates to a coacervated capsule comprising: (a) from 10 to 99% by weight of the capsule of a core comprising a mixture of (I) a fatty component comprising (i) hydrogenated oil or (ii) hydrogenated fat or (iii) cocoa butter or (iv) a mixture thereof and (II) a material to be encapsulated comprising a flavor and/or fragrance material, the mixture having a Tm of between about 30°C and about 40°C such that it is a solid at 20°C, wherein the weight ratio of fatty component to material to be encapsulated is from 10:90 to 70:30, and (b) from 90 to 1% by weight of the capsule of a coating layer comprising essentially a protein and optionally a non-protein polymer.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VALVE WITH A VALVE BONNET

(51) International classification	:F16K41/04
(31) Priority Document No	:PA2010 70264
(32) Priority Date	:15/06/2010
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/EP2011/059958
Filing Date	:15/06/2011
(87) International Publication No	:WO 2011/157760
(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)ANDERSEN, JENS, CHRISTIAN, FOLKMAR

2)MADSEN, KARSTEN, SCHACK

3)WICHMANN AGNER, LOUISE

(57) Abstract :

A valve comprising a valve housing (102) with a valve bonnet (105), an inlet opening (103) and an outlet opening (104), the valve bonnet (105) having a passage (106) for a valve stem (107), the passage (106) having a sidewall (123) and the valve stem (107) comprising a valve disk (110) for closing the valve by bringing the valve disk (110) in contact with a valve seat (111) in the valve housing (102), the passage (106) in the valve bonnet (105) comprising at least a first section (120) with a first cross sectional area and a second section (116) with a second cross sectional area that is smaller than the first cross sectional area. The sidewall (123) in the passage (106) is in direct contact with the valve stem (107) at the second section (116) with the second cross sectional area.

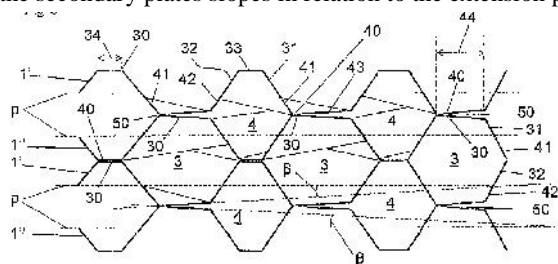
No. of Pages : 16 No. of Claims : 14

(54) Title of the invention : A HEAT EXCHANGER PLATE AND A PLATE HEAT EXCHANGER

(51) International classification	:F28D9/00,F28F3/02	(71)Name of Applicant :
(31) Priority Document No	:1050690-5	1)ALFA LAVAL CORPORATE AB
(32) Priority Date	:24/06/2010	Address of Applicant :BOX 73, SE- 22100 LUND, Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor :
(86) International Application No	:PCT/SE2010/050946	1)ROMLUND, JENS
Filing Date	:06/09/2010	
(87) International Publication No	:WO 2011/162659	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A plate heat exchanger comprises several heat exchanger plates (1) provided beside each other, which form first plate interspaces (3) and second plate interspaces (4) in an alternating order. Every second heat exchanger plate forms a primary plate (V) and every second a secondary plate (I). Each heat exchanger plate extends in an extension plane (p) and comprises a heat transfer area and an edge area around the heat transfer area. The heat transfer area comprises a corrugation of ridges (30) and valleys (40), which each extends in a longitudinal direction. The ridges have two edge surfaces (31, 32) and a support surface (33) between the edge surfaces and with a first width (34) transversally to the longitudinal direction. The valleys have two edge surfaces (41, 42) and a support surface (43) between the edge surfaces and with a second width (44) transversally to the longitudinal direction. The support surface of the valleys of the primary plates slopes in relation to the extension plane and the support surface of the ridges of the secondary plates slopes in relation to the extension plane.



No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3128/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR RECOVERING LITHIUM

(51) International classification :C22B26/12,C22B3/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/057121
Filing Date :22/04/2010
(87) International Publication No :WO 2011/132282
(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)UEHARA Haruo

(57) Abstract :

A lithium recovery device is provided with which, when lithium is separated and recovered high purity lithium can be efficiently recovered and which can be easily and cost effectively scaled up to an industrial level. The lithium recovery device comprises: a supply means (1) in which lithium containing water is passed through a filter membrane to yield an aqueous lithium solution; an adsorption means (2) in which the aqueous lithium solution is introduced into a column to adsorb the lithium; an elution means (3) by which hydrochloric acid is introduced into the column to elute the lithium, thereby yielding a lithium eluate containing hydrochloric acid and lithium chloride; a cleaning means (4) by which the column is cleaned with water; a concentration means (5) in which the lithium eluate is circularly heated to vaporize the hydrochloric acid, and the vapor is condensed to yield a concentrated aqueous lithium chloride solution; a collection means (6) in which sodium carbonate is added to the aqueous lithium chloride solution to collect the lithium in the form of a concentrated aqueous lithium solution containing lithium carbonate and sodium chloride; and a hydrochloric acid recycle means (7) in which the residue left after separation of the aqueous lithium chloride solution is cooled to obtain hydrochloric acid which is recycled as the hydrochloric acid to be introduced in the elution means (3).

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3730/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR GENERATING AN INTEGRATION MODEL

(51) International classification :G06F9/44
(31) Priority Document No :10 2010 021 382.9
(32) Priority Date :25/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002571
Filing Date :24/05/2011
(87) International Publication No :WO 2011/147560
(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)HARJUNKOSKI IIRO
2)BAUER MARGRET
3)SAYNEVIRTA SIMO

(57) Abstract :

The invention relates to a system and method for generating an integration model, wherein starting in particular from a graphical representation of an operating sequence the following steps are carried out preferably on a graphical user interface: determining the software systems to be integrated, determining place-holders for variables for events or devices, determining place-holders for executable functions, determining place-holders for functionalities, configuring the software systems to be integrated as well as the components thereof, selecting object types and parameters, representing the parameters, generating an integration model code and checking the integration model code by means of simulation, thereby achieving the aim of providing a method by which an integration model can be generated without problems and can be checked for reliability.

No. of Pages : 23 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3731/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : FILTER ASSEMBLY WITH MOUNTING

(51) International classification :B01D59/00
(31) Priority Document No :61/383,419
(32) Priority Date :16/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/051677
Filing Date :15/09/2011
(87) International Publication No :WO 2012/037302
(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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MINNEAPOLIS, MN 55432, U.S.A. a Delaware Corporation
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(72)**Name of Inventor :**
1)HRISHIKESH PATWARDHAN
2)SCOTT W. SCHWARTZ
3)GREGORY W. HOVERSON

(57) Abstract :

A filter assembly, including an air cleaner assembly for an internal combustion engine in an underhood engine compartment, includes a mounting bracket with a flow passage therethrough. In one form, a combination air filter element and base is provided for an air cleaner assembly. In a further form, a filter assembly includes a filter element integrally and permanently mounted to the base for removal and replacement as a single unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3733/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PRIORITIZED TRANSFER OF DATA TELEGRAMS

(51) International classification :H04L12/56
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/059053
Filing Date :25/06/2010
(87) International Publication No :WO 2011/160696
(61) 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)HOLGER HEINE
2)STEPHAN JORRA
3)HARALD KAPP

(57) Abstract :

The invention relates to a method for transferring data telegrams (13a, 13b) from a transmitter (11a) to a receiver (11b), wherein a priority level is associated with the data telegrams (13a, 13b) to be transferred. The priority level specifies a priority to be considered for the transfer of the particular data telegram (13a,13b). In order to perform the transfer of data telegrams having different priority levels with relatively less effort and thus even more quickly, a intermediate storage area (17a,17b) is associated with each priority level in the transmitter (11a),the data telegrams (13a,13b) are transferred over the physical communication medium (12) by means of different logical data connections (15a, 15b), wherein the number of logical data connections (15a, 15b) corresponds to the number of priority levels, data telegrams (13a) in the intermediate storage area (17a) associated with a lower priority level are transferred by means of the logical data connection (15a) associated with said priority level until at least one data telegram (13b) is present in the intermediate storage area (17b) associated with a higher priority level, and the data telegram (13b) in the intermediate storage area (17b) associated with the higher priority level is transferred by means of the logical data connection (15b) associated with the higher priority level. The invention further relates to a corresponding electrical device for transferring data telegrams.

No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3748/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SELECTIVE BASS POST FILTER

(51) International classification :G10L19/14
(31) Priority Document No :61/361,237
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/060555
Filing Date :23/06/2011
(87) International Publication No :WO 2012/000882
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DOLBY INTERNATIONAL AB
Address of Applicant :APOLLO BUILDING, 3E,
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ZUIDOOST THE NETHERLANDS
(72)**Name of Inventor :**
1)RESCH, BARBARA
2)KJÖRLING, KRISTOFER
3)VILLEMOES, LARS

(57) Abstract :

In one aspect, the invention provides an audio encoding method characterized by a decision being made as to whether the device which will decode the resulting bit stream should apply post filtering including attenuation of interharmonic noise. Hence, the decision whether to use the post filter, which is encoded in the bit stream, is taken separately from the decision as to the most suitable coding mode. In another aspect, there is provided an audio decoding method with a decoding step followed by a post filtering step, including interharmonic noise attenuation, and being characterized in a step of disabling the post filter in accordance with post filtering information encoded in the bit stream signal. Such a method is well suited for mixed origin audio signals by virtue of its capability to deactivate the post filter in dependence of the post filtering information only, hence independently of factors such as the current coding mode.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3749/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ENHANCED RELEASE OF LIPOPHILIC INGREDIENTS FROM CHEWING GUM WITH HYDROCOLLOIDS

(51) International classification	:A23G4/06,A23G4/10	(71)Name of Applicant :
(31) Priority Document No	:61/358,445	1)KRAFT FOODS GLOBAL BRANDS LLC
(32) Priority Date	:25/06/2010	Address of Applicant :THREE LAKES DRIVE,
(33) Name of priority country	:U.S.A.	NORTHFIELD, ILLINOIS 60093 UNITED STATES OF
(86) International Application No	:PCT/US2011/041135	AMERICA U.S.A.
Filing Date	:21/06/2011	2)CADBURY ADAMS MÉXICO, S. DE R.L. DE C.V.
(87) International Publication No	:WO 2011/163152	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)GUAN, JUNJIE
Filing Date	:NA	2)MICHAELIDOU, TASOULA A.
(62) Divisional to Application Number	:NA	3)CAMPOMANES MARIN, JUAN PABLO
Filing Date	:NA	4)SHETTY, ADITI
		5)HOANG, TINYEE

(57) Abstract :

Disclosed herein are chewing gum compositions comprising a pectin and a lipophilic ingredient. It has been found that the use of the pectin in a chewing gum composition provides for an enhanced release of the lipophilic ingredient such as lipophilic flavor and lipophilic sensate compounds.

No. of Pages : 30 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.375/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE ON A SPINNING ROOM PREPARATION MACHINE, ESPECIALLY A DRAW FRAME, CARDING MACHINE, COMBING MACHINE OR THE LIKE, HAVING A DRAFTING MECHANISM

(51) International classification :D01G
(31) Priority Document No :102011113367.8
(32) Priority Date :15/09/2011
(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)TRÜTZSCHLER GMBH & CO.KG.
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MÖNCHENGLADBACH, Germany
(72) **Name of Inventor :**
1)HERR THOMAS SCHMITZ
2)HERR DIRK MEIER

(57) Abstract :

In a device on a spinning room preparation machine, especially a draw frame, carding machine, combing machine or the like, having a drafting mechanism, a drafting mechanism lower part in which lower rolls are mounted in mounting elements, and a drafting mechanism upper part in which upper rolls are mounted in mounting elements, there is provided at least one component element which is in contacting engagement with a movable counterpart element and, in the course thereof, is subjected to attrition in the contacting region. In order to allow, by means that are simple in terms of construction, wear-resistant contact between the component element and the counterpart element and, as a result, to make possible optimum effectiveness of the wearing component part, the wearing component element is in the form of an axially rotatable component part, wherein it is possible, in respect of the attrition, to set in place a predetermined non-worn contacting region of the component element opposite the counterpart element.

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3750/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POWER MODULE FOR PORTABLE DEVICES

(51) International classification :H05K7/00
(31) Priority Document No :61/349,635
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038423
Filing Date :27/05/2011
(87) International Publication No :WO 2011/150381
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)THIRD RAIL MOBILITY, LLC
Address of Applicant :14255 US HIGHWAY ONE, JUNO BEACH, FL 33408 U.S.A.
(72)**Name of Inventor :**
1)LEMELMAN, BRIAN
2)LEMELMAN, DAVID
3)LEMELMAN, ALEXANDRA
4)DUNN, FRANK

(57) Abstract :

A universal power management system is described consisting of interchangeable easy to remove and connectable Universal Power Modules (UPMs) smartphone skins and doors and applications to automatically manage the power charging of multiple devices. The system is compatible with various portable electronic devices.

No. of Pages : 50 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3751/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SANITARY FITTED ELEMENT FOR A WATER OUTLET

(51) International classification	:E03C1/084,B05B1/30	(71) Name of Applicant :
(31) Priority Document No	:20 2010 007 202.6	1)NEOPERL GMBH
(32) Priority Date	:27/05/2010	Address of Applicant :KLOSTERRUNSSTR. 11, 79379
(33) Name of priority country	:Germany	MÜLLHEIM Germany
(86) International Application No	:PCT/EP2011/001250	(72) Name of Inventor :
Filing Date	:14/03/2011	1)HART, KEITH
(87) International Publication No	:WO 2011/147495	2)BLUM, GERHARD
(61) Patent of Addition to Application	:NA	3)TEMPEL, MARC
Number	:NA	4)WEIS, CHRISTOPH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a sanitary fitted element (1) which can be inserted into the water outlet of a sanitary outlet fitting and is held releasably there. A characteristic feature of the fitted element (1) according to the invention is that said fitted element has an adjusting device for changing the clear sectional area of flow of the fitted element (1) and/or the discharge rate which adjusting device is actuatable via at least one control element (8) which is arranged actuably on the inflow side of the fitted element (1) and/or on the outflow side thereof. The fitted element (1) according to the invention can be used in a versatile manner in order to reduce the outlay on production and stock.

No. of Pages : 45 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3349/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PREPARATION OF A SOLID CATALYST SYSTEM

(51) International classification :C08F10/00,C08F4/659,C08F4/6592
(31) Priority Document No :10162241.3
(32) Priority Date :07/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/056705
Filing Date :28/04/2011
(87) International Publication No :WO 2011/138214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)BOREALIS AG

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(72)Name of Inventor :

1)KALLIO,Kalle

2)MUSTONEN,Marja

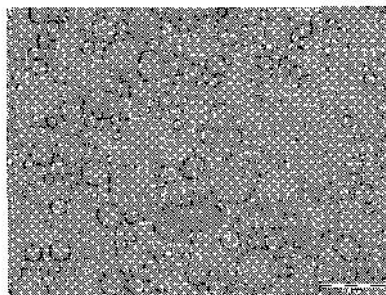
3)ELO,Pertti

4)DENIFL,Peter

5)SEVERN,John

(57) Abstract :

Process for the preparation of a solid catalyst system (CS) comprising the steps of preparing a liquid clathrate (LC) comprising (a) a lattice (L) being the reaction product of (i) aluminoxane (A) (ii) an organometallic compound (O) of a transition metal (M) of Group 3 to 10 of the Periodic Table (IUPAC 2007) or of an actinide or lanthanide and (i) a compound (B) being effective to form with the aluminoxane (A) and the organometallic compound (O) the lattice (L), and (b) a guest (G) being an hydrocarbon compound (HC), and subsequently precipitating said liquid clathrate (LC) obtaining said solid catalyst system (SC).



Particles directly from silicon fluid slurry after spraying
(example 1).

No. of Pages : 36 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3741/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : AIR BLOWING DEVICE

(51) International classification :F24F13/06,F24F7/06,F24F13/08
(31) Priority Document No :2010-150505
(32) Priority Date :30/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064896
Filing Date :29/06/2011
(87) International Publication No :WO 2012/002424
(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)FUKIURA, KAZUMA
2)KAKINUMA, TOMOYUKI
3)SUZUKI, TAKETO
4)SATO, TAKAHIRO

(57) Abstract :

An air blowing device adapted to be used in such a manner that at least two of the devices are horizontally and/or vertically aligned with each other, thereby to obtain a uniform flow of air in the downstream direction from device to device. An air-permeable front surface (11f) is formed to the blowing device (1) at the downstream side of a rectifier mechanism, and side surface sections (11a) which extend in the upstream direction of the device (1) are formed at both edges of the air-permeable front surface (11f). First ventilation holes (70a) are distributed at the air-permeable front surface (11f), and second ventilation holes (70b) are distributed at the side surface sections (11a).

No. of Pages : 89 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3745/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : HINGE STRUCTURE FOR REAR PARCEL SHELF

(51) International classification :B60R7/08,B60R5/04
(31) Priority Document No :2010-117580
(32) Priority Date :21/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061569
Filing Date :19/05/2011
(87) International Publication No :WO 2011/145694
(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)HOUWA KOGYO CO., LTD.

(72)Name of Inventor :

1)YUJI SHIBATA

2)MASAOMI SAWADA

3)NAOHIRO NISHIMURA

(57) Abstract :

A hinge structure for a rear parcel shelf of the present invention includes a shaft provided in one of an interior member or the rear parcel shelf of a back portion of a vehicle body; and a bearing portion provided in the other, and holding the shaft. The shaft includes a first protrusion and a second protrusion on an outer circumferential face, and the bearing portion includes a first concave portion and a second concave portion which fit into the first protrusion or the second protrusion. When the rear parcel shelf is in an approximately horizontal state, only the first protrusion and the first concave portion fit together, and when the rear parcel shelf is in an upright state, the first protrusion and the second concave portion, and the second protrusion and the first concave portion, respectively fit together.

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3746/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

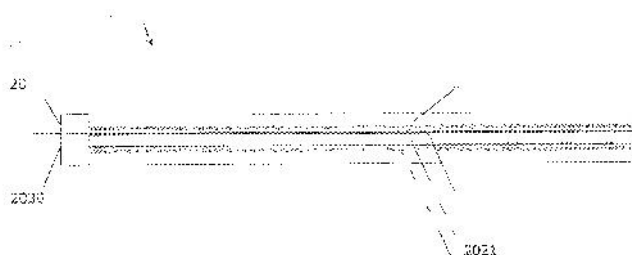
(54) Title of the invention : VIEWING AID FOR STEREOSCOPIC 3D DISPLAY

(51) International classification :G02B27/22,H04N13/00
(31) Priority Document No :2010 0935
(32) Priority Date :28/06/2010
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2011/060792
Filing Date :28/06/2011
(87) International Publication No :WO 2012/000979
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SINVENT AS
Address of Applicant :POSTBOKS 4764 SLUPPEN, 7465
TRONDHEIM, NORWAY
(72)**Name of Inventor :**
1)MATHIASSEN, JOHN, REIDAR

(57) Abstract :

This invention relates to a stereoscopic viewing aid for viewing images received from a stereoscopic imaging system, the imaging system comprising two channels providing images having two different sets of wavelength ranges, the viewing aid comprising two filtering means, the first transmitting light within the first set of wavelengths and the second transmitting light within the second set of wavelengths, each of said filtering means comprising a first optical device having a selected focal length at the corresponding wavelengths.



No. of Pages : 63 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3747/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : LAMINATED FIRE-RESISTANT GLASS UNIT

(51) International classification	:B32B17/10,E06B5/16	(71) Name of Applicant :
(31) Priority Document No	:1048/10	1)VETROTECH SAINT-GOBAIN (INTERNATIONAL)
(32) Priority Date	:29/06/2010	AG
(33) Name of priority country	:Switzerland	Address of Applicant :BERNSTRASSE 41-43, CH-3175
(86) International Application No	:PCT/CH2011/000154	FLAMATT SWITZERLAND
Filing Date	:28/06/2011	(72) Name of Inventor :
(87) International Publication No	:WO 2012/000125	1)WILDENHAIN, KLAUS
(61) Patent of Addition to Application	:NA	2)GELDERIE, UDO
Number	:NA	3)SCHWANKHAUS, NORBERT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a fire-resistant glass unit having at least two transparent carrier elements, in particular glass panes, and an intermediate layer between the carrier elements, this layer expanding for example in the event of a fire, or a gas-releasing intermediate layer, which builds up a pressure between the carrier elements. The invention is distinguished substantially in that at least one glass pane (2) of the fire-resistant glass unit, preferably the two outermost glass panes, or even all the glass panes adjacent to an intermediate layer, are provided with specific local weakening as a defined breaking point. A predetermined breaking point may be, for example, a groove or milled recess, in particular a notch (25).

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3754/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD OF ENGRAFTING CELLS FROM SOLID TISSUES

(51) International classification :A61M31/00
(31) Priority Document No :61/332,441
(32) Priority Date :07/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/035498
Filing Date :06/05/2011
(87) International Publication No :WO 2011/140428
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
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(72)**Name of Inventor :**
1)TURNER, RACHAEL
2)GERBER, DAVID
3)LOZOYA, OSWALDO
4)REID, LOLA, M.

(57) Abstract :

A method of repairing diseased or dysfunctional organs or of establishing a model system of a disease state is provided. For repairing diseased organs the method involves engraftment of cells from healthy tissue of the diseased or dysfunctional organ admixed with gel forming biomaterials and nutrient medium signaling molecules and extracellular matrix components that can be made insoluble rapidly upon transplantation to form a graft. In this way the graft mimics the complexity of the native microenvironment with a minimum number of components that allow transplantation of cells to successfully engraft expand and then rebuild part or the entirety of the diseased or dysfunctional organ. In the case of using grafting methods for establishing a disease model diseased cells may be transplanted in the biomaterials and into experimental hosts.

No. of Pages : 52 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3755/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PEARLESCENT PIGMENT SURFACE TREATMENT FOR CHEWABLE CONFECTIONERY AND METHODS OF MAKING THE SAME

(51) International classification	:A23L1/00,A23G4/20	(71)Name of Applicant :
(31) Priority Document No	:61/359,013	1)KRAFT FOODS GLOBAL BRANDS LLC
(32) Priority Date	:28/06/2010	Address of Applicant :THREE LAKES DRIVE,
(33) Name of priority country	:U.S.A.	NORTHFIELD, ILLINOIS 60093 U.S.A.
(86) International Application No	:PCT/US2011/042158	2)CADBURY ADAMS MÉXICO, S. DE R.L. DE C.V.
Filing Date	:28/06/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/006079	1)CAMPOMANES MARIN, JUAN PABLO
(61) Patent of Addition to Application	:NA	2)SCHMITZ, KRISTEN
Number	:NA	3)SHETTY, ADITI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein are particulate coating compositions comprising a powdered carrier and a pearlescent pigment. Also disclosed herein are pearlescent coated chewing gum compositions comprising the particulate coating composition and methods for making the pearlescent coated chewing gum compositions.

No. of Pages : 29 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3756/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM FOR RECOVERING RENEWABLE ENERGY

(51) International classification :H02J3/00
(31) Priority Document No :0762/10
(32) Priority Date :17/05/2010
(33) Name of priority country :Switzerland
(86) International Application No :PCT/IB2011/052118
Filing Date :13/05/2011
(87) International Publication No :WO 2011/145034
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)COSSECO SA

Address of Applicant :ROUTE DE PRA DE PLAN 18, CH-
1618 CHATEL-ST-DENIS SWITZERLAND

(72)Name of Inventor :

1)ORLANDO, DAVID

(57) Abstract :

The invention relates to a system (1) for recovering renewable energy, comprising a heat pump system (2) with at least one electric motor (16, 16) for a compressor (14) or a fluid circulation pump (18a, 18b), at least one photovoltaic solar panel (3), and an AC-DC/DC electronic converter (4) interconnected between the solar panels and the heat pump system. The system comprises at least one frequency variator (16, 16) connected to a DC outlet (24, 25) of the converter and to the electric motor for feeding and controlling the electric motor.

No. of Pages : 31 No. of Claims : 16

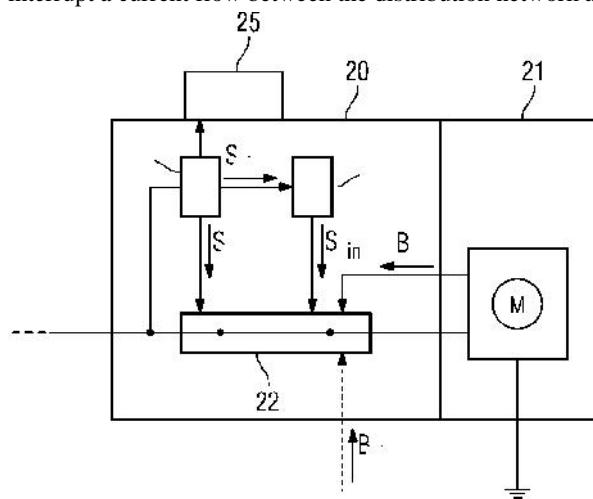
(54) Title of the invention : SWITCHING ON END DEVICES ACCORDING TO NETWORK LOAD

(51) International classification :H02J3/14
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/EP2010/059178
 Filing Date :29/06/2010
 (87) International Publication No :WO 2012/000538
 (61) 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)MANFRED LIEBEL

(57) Abstract :

The invention relates to an electrical device (20) for connecting to an electrical distribution network of a building, said electrical distribution network being connected to an electrical energy supply network. The electrical device has a switching device (22), by means of which an electrical load (21) can be switched on and off. In order to further develop such an electrical device in such a way that relatively simple demand control of an electrical load is possible, the electrical device (20) has a monitoring device (23), which is designed to monitor the voltage and/or frequency present at the electrical device on the distribution network side and to generate a switch-on signal if the monitored voltage and/or frequency exceeds an upper threshold value and to generate a switch-off signal if the monitored voltage and/or frequency falls below a lower threshold value, and the switching device (22) is designed to establish a current flow between the distribution network and the electrical load (21) when a switch-on signal is present and to interrupt a current flow between the distribution network and the electrical load (21) if a switch-off signal is present.



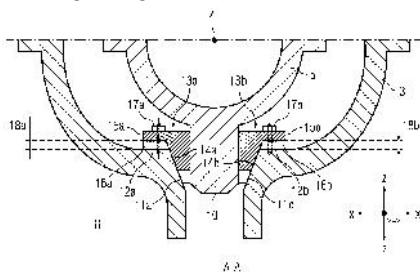
No. of Pages : 25 No. of Claims : 9

(54) Title of the invention : STEAM TURBINE ASSEMBLY AND METHOD OF ASSEMBLING A STEAM TURBINE

(51) International classification	:F01D25/24,F01D25/26	(71)Name of Applicant :	
(31) Priority Document No	:10005811.4	1)SIEMENS AKTIENGESELLSCHAFT	
(32) Priority Date	:04/06/2010	Address of Applicant :WITTELSBACHERPLATZ 2, 80333	
(33) Name of priority country	:EPO	MÜNCHEN, Germany	
(86) International Application No	:PCT/EP2011/058955	(72)Name of Inventor :	
Filing Date	:31/05/2011	1)GAURAV BAJAJ	
(87) International Publication No	:WO 2011/151329	2)SUKESH KAKAR	
(61) Patent of Addition to Application		3)DIPANKAR SEN	
Number	:NA	4)KAMALJEET SING	
Filing Date	:NA	5)VIKAS TIWARI	
(62) Divisional to Application Number	:NA	6)RAMAN SHARMA	
Filing Date	:NA	7)INDRANIL ACHARYA	

(57) Abstract :

Steam turbine assembly (1) and method thereof. A steam turbine assembly comprises an inner casing (3) arranged around a longitudinal rotor axis (4) and a guide blade carrier or stationary blade ring (5) arranged in said inner casing (3) circumferentially around said rotor axis (4). The guide blade carrier or stationary blade ring (5) comprises a radially outward arm (10) supported between a pair of transversely separated support faces (11a,11b) of said inner casing (3). The assembly further includes a pair of tapered keys (13a,13b) slidably fitted respectively between said arm (10) and each of said support faces (11a,11b) for transversely fastening said guide blade carrier or stationary blade ring (5) to said inner casing (3).



No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3188/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DIAGNOSTIC METHODS FOR GLAUCOMA

(51) International classification :G01N33/564

(31) Priority Document No :61/342,363

(32) Priority Date :13/04/2010

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

(86) International Application No :PCT/CH2011/000077

Filing Date :13/04/2011

(87) International Publication No :WO 2011/127616

(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 :c/o Michel Pola, Rosenweg 9, 8702
Zollikon SWITZERLAND

(72)Name of Inventor :

1)GRUS, Franz

2)BOEHM, Nils

3)PFEIFFER, Norbert

4)BELL, Katharina

(57) Abstract :

The invention concerns a first diagnostic method for glaucoma based on an analysis of autoimmune reactivity in body fluids against at least one sample of at least partially purified ocular antigens, wherein the autoimmune reactivity against individual antigens is measured and transformed into a glaucoma score to determine the diagnostic result. Further aspects of the invention include antigen carrying elements carrying at least one sample of the at least partially purified ocular antigens and kits for diagnosis of glaucoma. Further aspects include methods of collecting a body fluid such as tears for the use in the diagnostic method for glaucoma. Yet further aspects include ocular antigens serving as diagnostic markers and/or for preparing pharmaceutical compositions for treatment of glaucoma. The invention further concerns a second diagnostic method for glaucoma comprising the steps of a) providing an in vitro culture of cells; b) incubating a body fluid from a test individual with the in vitro culture of cells or incubating components, which are fractionated from the body fluid or from a body specimen of the test individual with the in vitro culture of cells; c) analyzing protein expression of the cells and/or analyzing the viability of the cells after treatment according to step b); and d) comparing the results of the analysis in step c) with standard data to determine a diagnostic result.

No. of Pages : 100 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3392/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTROSTATIC DISCHARGE TRANSPARENT SHEETING

(51) International classification	:C08J5/18,C08K3/04	(71) Name of Applicant :
(31) Priority Document No	:PI2010002193	1)ESD TECHNOLOGY CONSULTING & LICENSING
(32) Priority Date	:11/05/2010	CO. LTD
(33) Name of priority country	:Malaysia	Address of Applicant :A 2717,Kaisa Center, No.66 of
(86) International Application No	:PCT/CN2011/073888	Nanyuan Road,Futian, Shenzhen,Guangdong 518031,CHINA
Filing Date	:10/05/2011	(72) Name of Inventor :
(87) International Publication No	:WO 2011/140971	1)KOW,Kek Hing
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrostatic discharge (ESD) sheeting (10) comprises a conductive sheet (11), consisting of a cellulose fibrous or porous sheet which is treated with a carbon nanotube (CNT) solution to achieve the desire electrical conductivity, and impregnated with a thermoset resin material (13) through the process of permeation or osmosis in a controlled amount, to form a transparent polymeric sheet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3765/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM FOR SUPPORTING ALGAE GROWTH WITH ADSORBED CARBON DIOXIDE

(51) International classification :C12M1/04
(31) Priority Document No :12/817,043
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039941
Filing Date :10/06/2011
(87) International Publication No :WO 2011/159568
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GENERAL ATOMICS
Address of Applicant :3550 General Atomics Court, San
Diego, CA 92121-1194 U.S.A.
(72)**Name of Inventor :**
1)HAZLEBECK, David, A.

(57) Abstract :

A system is provided for supporting algae growth with adsorbed carbon dioxide. In the system a channel such as a raceway is provided and holds bicarbonate solution. As algae grows in the solution, it is converted into carbonate solution. Therefore, the system provides a high surface area liquid gas contact medium for converting the carbonate solution back into bicarbonate solution. Specifically, the carbonate solution from the channel is delivered to the contact medium. At the contact medium the carbonate solution drips or slowly moves along while air, containing carbon dioxide moves across the solution. As carbon dioxide is adsorbed by the solution, it converts back into bicarbonate solution. Then, the bicarbonate solution is fed back into the channel to support further algae growth.

No. of Pages : 18 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3766/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : INJECTION SYSTEM

(51) International classification	:B29C45/28
(31) Priority Document No	:MO2010A000188
(32) Priority Date	:24/06/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2011/052614
Filing Date	:16/06/2011
(87) International Publication No	:WO 2011/161590
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SACMI COOPERATIVA MECCANICI IMOLA

SOCIETA' COOPERATIVA

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Imola (BO) ITALY

(72)Name of Inventor :

1)RAVAGNANI, Andrea

2)ALLEGRI, Giovanni

(57) Abstract :

An injection system, in an apparatus for injection moulding plastics, comprises a manifold plate (2) having an injection nozzle (3) closed by a valve stem (7) commanded by a dual effect pneumatic linear actuator (8,9) wherein a piston cylinder (8) is compressed between a back plate (10) and a hot runner manifold (5). The piston cylinder bounds an annular gap into which the compressed air that drives the actuator can flow.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3149/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PURE LIQUID PRODUCTION DEVICE

(51) International classification:B01D5/00,C02F1/04,F24F13/22

(31) Priority Document No :000000

(32) Priority Date :12/01/2010

(33) Name of priority country :Argentina

(86) International Application
No :PCT/JP2010/057707

Filing Date :30/04/2010

(87) International Publication
No :WO 2011/135724

(61) Patent of Addition to

Application Number :NA

Filing Date :NA

(62) Divisional to Application

Number :NA

Filing Date :NA

(71)Name of Applicant :

1)UEHARA Haruo

Address of Applicant :1544-119, Ooaza-Kinryu, Kinryu-
machi, Saga-shi, Saga 8490906 JAPAN

(72)Name of Inventor :

1)UEHARA Haruo

(57) Abstract :

Provided is a pure liquid production device capable of producing pure liquid such as pure water efficiently by a simple structure, thereby reducing the cost related to the supply of the pure water and the like. Together with a series of units from a heater (11) to a condenser (14), for obtaining pure liquid from evaporated vapor, a drain tank (18) for storing liquid not evaporated by an evaporator (12) and liquid collected by a separator (13) is disposed, after the liquid discharged from the evaporator (12) and the separator (13) and new liquid are mixed in advance in the drain tank (18), the mixed liquid is pressurized by a pump (19) and supplied to the heater (11). Consequently the drain tank (18) serves as a pressure buffering part, and the maintenance of the pressures in the respective units such as the evaporator (12) and the separator (13) is facilitated thereby making it possible to reduce the load on a reduced pressure exhaust device (70) for producing a reduced pressure state in order to evaporate liquid, and dispose the required minimum valves and the like for maintaining the pressure, thereby achieving the simplification of the device structure and cost reduction.

No. of Pages : 33 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3771/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

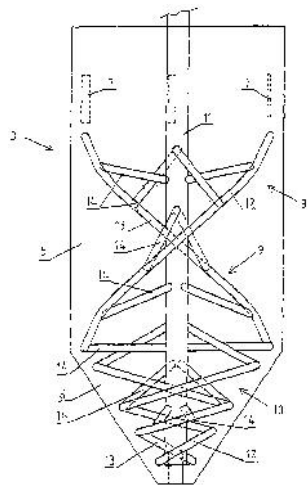
(54) Title of the invention : METHOD AND APPARATUS FOR HOMOGENISING AND STABILISING AN IRON-BEARING RESIDUE

(51) International classification :B01F7/24,B09B3/00,C22B3/00
(31) Priority Document No :20100237
(32) Priority Date :04/06/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050508
Filing Date :31/05/2011
(87) International Publication No :WO 2011/151521
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)OUTOTEC OYJ
Address of Applicant :Riihitontuntie 7, FI-02200 Espoo
FINLAND
(72)Name of Inventor :
1)LEHTINEN, Leena
2)LAHTINEN, Marko
3)NYMAN, Bror
4)HAAKANA, Timo
5)TIIHONEN, Jari

(57) Abstract :

A method and apparatus for converting an iron- bearing residue generated in the hydrometallurgical process that contains small amounts of soluble heavy metals into stable form by means of a neutralising agent. The residue is elutriated and the elutriated residue is fed into at least one stabilisation or homogenisation reactor (3) into which a neutralising agent is also routed, and the homogenous mixing together of the residue and neutralising agent takes place by means of a helix mixer (8), where the ratio of the diameter of the mixer to the diameter of the reactor is 0.75-0.99.



No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3772/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MANUFACTURING METHOD OF CASTING MOLD

(51) International classification :B22C9/02,B22C1/00,B22C1/10
(31) Priority Document No :2010-152943
(32) Priority Date :05/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065280
Filing Date :04/07/2011
(87) International Publication No :WO 2012/005213
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ASAHI ORGANIC CHEMICALS INDUSTRY CO., LTD.
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2)KIMURA CHUZOSHO CO. LTD.
3)ASAHI TSUSHO CORPORATION
(72)Name of Inventor :
1)OGAWA, Fumiyuki
2)IKEDA, Takuya
3)HORI, Shigeru
4)HOZUMI, Hiroki
5)FUKUDA, Yoya
6)HAYASHI, Kenichi
7)TAKADA, Yoshiharu

(57) Abstract :

Disclosed is an improved manufacturing method of casting molds wherein, in the periphery of aeration openings of the forming mold, RCS binder outflow prone to occur during aeration with steam is prevented, thereby not only resolving problems with the formed mold surface, but also improving separability of the mold during demolding from the forming mold and improving the effective strength of the obtained mold. The disclosed manufacturing method of casting molds involves (a) a first step for preparing dry-state resin-coated sand that is flowable at room temperature, obtained by kneading and mixing pre-heated molding sand and an aqueous solution of a water-soluble alkaline resole resin, (b) a second step in which, after filling said prepared resin-coated sand into a heated forming mold, the obtained filling phase is aerated at a pressure of 0.1MPa or less with steam at a temperature of less than 100C, moistening and cohering the resin-coated sand constituting said filling phase, and (c) a third step for curing the filling phase of the resin-coated sand that has been moistened and cohered.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3776/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TRIGGER SPRAYER AND VALVE SYSTEM

(51) International classification :B67D7/64
(31) Priority Document No :61/334,816
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036432
Filing Date :13/05/2011
(87) International Publication No :WO 2011/143555
(61) 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, INC.
Address of Applicant :501 South 5th Street, 3rd Floor,
Richmond, Virginia 23219-0501 U.S.A.
(72)**Name of Inventor :**
1)SWEETON, Steven

(57) Abstract :

A valve system for a trigger sprayer including a valve forming an air spring with a portion of the trigger sprayer and being made of a flexible or elastomeric material. The trigger sprayer may include an air-spring valve system wherein the air-spring valve system provides precompression during a pump stroke. The precompression forces developed in the valve system during a pump stroke may originate from an air valve or air pocket trapped between a portion of a valve body and a part of the valve system. For example, a valve may be inserted in a tube retainer which is connected to a valve body of a trigger sprayer. Air trapped in a chamber or space between a portion of the valve and the tube retainer may provide a force against the valve such that a certain force must be applied to the valve before it allows product to be released.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3171/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : THERAPEUTIC FOOD FORMULATION

(51) International classification :A23L1/09,A23L1/30,A23L1/302
(31) Priority Document No :61/349,498
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038400
Filing Date :27/05/2011
(87) International Publication No :WO 2011/150364
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)COMPATIBLE TECHNOLOGY INTERNATIONAL
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(72)**Name of Inventor :**
1)EWING, George

(57) Abstract :

A food formulation for treating malnourished individuals is provided. The food formulation may be customized to specific target consumer groups. The food formulation further may comprise a majority of locally available ingredients. In some embodiments, a food formulation is provided comprising proteins, fats, carbohydrates, and nutritional ingredients and having a relatively high energy content.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3172/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NON-REGULAR PARITY DISTRIBUTION DETECTION VIA METADATA TAG

(51) International classification :G06F11/10

(31) Priority Document No :12/729,564

(32) Priority Date :23/03/2010

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

(86) International Application No :PCT/US2011/023197

Filing Date :31/01/2011

(87) International Publication No :WO 2011/119255

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

1)APPLE INC.

Address of Applicant :1 Infinite Loop Cupertino, CA 95014

U.S.A.

(72)**Name of Inventor :**

1)POST, Daniel, J.

(57) Abstract :

This can relate to non-regular parity distribution of a non-volatile memory (NVM), such as flash memory, and detection of the non regular parity via a metadata tag. For example each codeword of the NVM can include one or more parity pages that may be distributed at random through the NVM. To identify the page as a parity page,a parity page marker can be included in the metadata of that page. During power up of the NVM, an address table including the logical to physical address mapping of the pages can be created. Pages including a parity page marker, however, can be skipped during the creation of this address table. Additionally, by having two or more parity pages associated with a codeword an additional layer of protection can be provided for repairing errors in that codeword.

No. of Pages : 61 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3585/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 21/06/2013

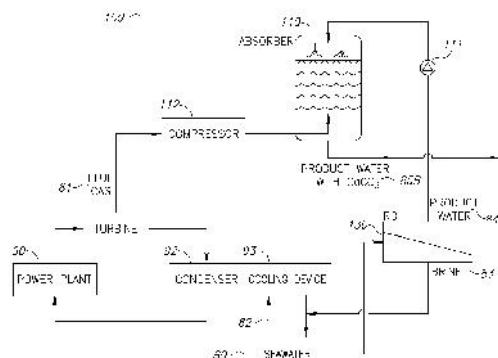
(54) Title of the invention : FLUE GAS TREATMENT AND PERMEATE HARDENING

(51) International classification :B01D53/14,B01D53/62,B01D53/75
(31) Priority Document No :61/350,930
(32) Priority Date :03/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/052427
Filing Date :02/06/2011
(87) International Publication No :WO 2011/151800
(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)LIBERMAN, BORIS

(57) Abstract :

Combining flue gas treatment, and in particular CO₂ sequestration, with hardening of reverse osmosis (RO) permeate. Flue gas is compressed and injected into pressurized water, being either cooling water or RO permeate. The water with dissolved CO₂ is either dispensed into the sea for biological fixation of the CO₂ or in the case of RO permeate, mixed with limestone to harden the product water.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3792/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

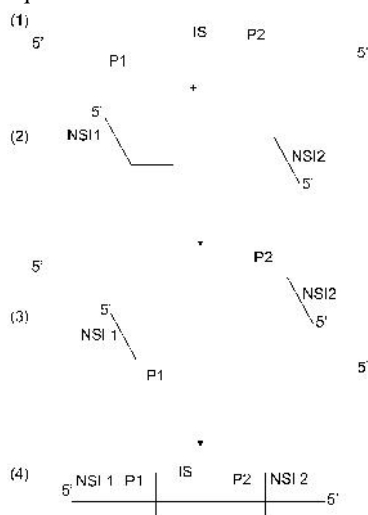
(43) Publication Date : 21/06/2013

(54) Title of the invention : COMBINATORIAL SEQUENCE BARCODES FOR HIGH THROUGHPUT SCREENING

(51) International classification :C12Q1/68,C12N15/10 (31) Priority Document No :61/352,910 (32) Priority Date :09/06/2010 (33) Name of priority country :U.S.A. (86) International Application No :PCT/NL2011/050411 Filing Date :08/06/2011 (87) International Publication No :WO 2011/155833 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)KEYGENE N.V. Address of Applicant :P.O. Box 216, NL-6700 AE Wageningen The NETHERLANDS (72)Name of Inventor : 1)VAN ELJK, Michael Josephus Theresia 2)VAN DER POEL, Henricus Johannes Adam
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(57) Abstract :

The invention involves methods and uses of a combination of at least two nucleotide sequence identifiers in the preparation of a sample DNA for high throughput sequencing. Accordingly, in the high throughput sequencing a plurality of prepared sample DNAs, each preparation of a sample DNA comprises a unique combination of the at least two nucleotide sequence identifiers wherein a first nucleotide sequence identifier is selected from a group of nucleotide sequence identifiers and a second nucleotide sequence identifier is selected from the group of nucleotide sequence identifiers.



No. of Pages : 48 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3794/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : IMAGE-GUIDED DOCKING FOR OPHTHALMIC SURGICAL SYSTEMS

(51) International classification :A61F9/008,G06T1/00,A61B3/14
(31) Priority Document No :12/815,179
(32) Priority Date :14/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040223
Filing Date :13/06/2011
(87) International Publication No :WO 2011/159627
(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)JUHASZ, Adam
2)VARDIN, Kostadin

(57) Abstract :

A docking method for an ophthalmic system may include the steps of aligning a docking unit of the ophthalmic system and an eye; generating an image of an internal structure of the eye by an imaging system; improving an alignment of the docking unit with the internal structure of the eye in relation to the generated image; and docking the docking unit to the eye. The generating the image step may include computing scanning data by a processor corresponding to a scanning pattern; storing the scanning data in a data buffer; transferring the scanning data by the data buffer to an output module; outputting scanning signals by the output module to one or more scanners based on the scanning data; and scanning an imaging beam with the one or more scanners according to the scanning signals.

No. of Pages : 47 No. of Claims : 42

(54) Title of the invention : CHEMICAL BONDING FOR CATALYST/MEMBRANE SURFACE ADHERENCE IN MEMBRANE-ELECTROLYTE FUEL CELLS

(51) International classification :H01M8/10,H01M4/88
 (31) Priority Document No :61/352,009
 (32) Priority Date :07/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/IB2011/001613
 Filing Date :06/06/2011
 (87) International Publication No :WO 2011/154835
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)CELLERA, INC.

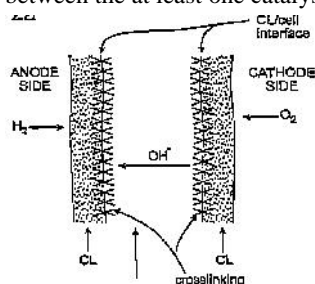
Address of Applicant :INDUSTRIAL PARK NORTH,
 HATOCHEN 2, 38900 CAESAREA ISRAEL

(72)Name of Inventor :

1)DEKEL, DORIO

(57) Abstract :

An alkaline membrane fuel cell including at least one of i) a catalyst coated OH-ion conducting membrane having a catalyst layer and an OH-ion conducting membrane, and ii) acatalyst coated carbonate ion conducting membrane having a catalyst layer and a carbonate ion conducting membrane, respectively, wherein the at least one catalyst layer is chemically bonded to a surface of the at least one membrane wherein the chemical bonding is established by crosslinking of polymer constituents across an interface between the at least one catalyst layer and the at least one membrane.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3753/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 21/06/2013

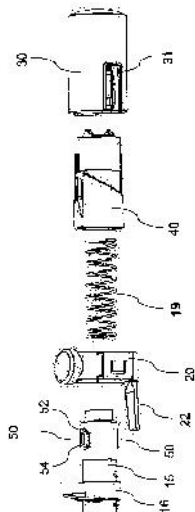
(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification :A61M5/315
(31) Priority Document No :1050563-4
(32) Priority Date :03/06/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050582
Filing Date :09/05/2011
(87) International Publication No :WO 2011/152772
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SHL GROUP AB
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AUGUSTENDALSVÄGEN 19, S-131-28 NACKA STRAND
Sweden
(72)**Name of Inventor :**
1)CHEUNG, KENNY KAI FUNG

(57) Abstract :

The present invention relates to a medicament delivery device that is reliable safe and intuitive to use and configured to prevent a subsequent dose from being administered before a previously initialized dose has been fully delivered. This is accomplished by mechanically interacting structures arranged as an interface between a lockable delivery button and a release member.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3932/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : GASIFICATION SYSTEM AND PROCESS FOR MAXIMIZING PRODUCTION OF SYNGAS AND SYNGAS-DERIVED PRODUCTS

(51) International classification	:C01B3/00	(71)Name of Applicant :
(31) Priority Document No	:12/782,346	1)KELLOGG BROWN & ROOT LLC
(32) Priority Date	:18/05/2010	Address of Applicant :601 Jefferson Avenue, Houston, TX
(33) Name of priority country	:U.S.A.	77002 U.S.A.
(86) International Application No	:PCT/US2011/035168	(72)Name of Inventor :
Filing Date	:04/05/2011	1)ARIYAPADI, Siva
(87) International Publication No	:WO 2011/146240	2)GURSAHANI, Kamalkumar, I.
(61) Patent of Addition to Application Number	:NA	3)MALHOTRA, Avinash
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A gasification system and method. The system can include a gasifier and a purification unit fluidly coupled to the gasifier with the purification unit receiving raw syngas from the gasifier and producing waste gas and a syngas product. The system can also include a first reformer fluidly coupled to the purification unit, with the first reformer receiving a first portion of the waste gas and producing reformed hydrocarbon. The system can further include a second reformer having a first inlet fluidly coupled to the purification unit, a second inlet fluidly coupled to the first reformer, and an outlet fluidly coupled to the purification unit. The second inlet can receive the reformed hydrocarbon from the first reformer, and the first inlet can receive a second portion of the waste gas from the purification unit. The second reformer can produce a recovered raw syngas that is directed to the purification unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3933/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MEDICAL DEVICE WITH RETRACTABLE NEEDLE AND MOVEABLE PLUNGER SEAL

(51) International classification :A61M5/50
(31) Priority Document No :12/827,548
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042628
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003343
(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 :511 Lobo Lane, Little Elm, TX 75068
U.S.A.
2)SHAW, Thomas, J.
(72)**Name of Inventor :**
1)ZHU, Ni
2)SHAW, Thomas, J.

(57) Abstract :

A medical device having a barrel, a retractable needle, a needle retraction assembly and a plunger, the needle retraction assembly including and being held inside the barrel prior to retraction at least in part by a retainer member contacting the barrel, the plunger comprising a plunger seal with an body having at least a portion that is rearwardly moveable relative to the plunger and an elastomeric web that seals a retraction cavity inside the plunger prior to retraction of the needle the retainer member and the plunger seal each cooperating with an inside wall of the barrel to provide a sealed liquid containment chamber inside the device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3934/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ORTHOTOPIC ARTIFICIAL BLADDER PROSTHESIS

(51) International classification	:A61F2/04	(71) Name of Applicant :
(31) Priority Document No	:MI2010A 001164	1)SAMBUSSETI, Antonio
(32) Priority Date	:25/06/2010	Address of Applicant :Via San Predengo 13, I-26100
(33) Name of priority country	:Italy	Cremona ITALY
(86) International Application No	:PCT/EP2011/056785	(72) Name of Inventor :
Filing Date	:28/04/2011	1)SAMBUSSETI, Antonio
(87) International Publication No	:WO 2011/160875	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A description is given of an orthotopic prosthesis (1) of artificial bladder comprising a balloon (600), two hollow elements (300) for the forced fitting of ureters (6,6) and a frustoconical element (602) for the connection of the urethra (8) to said prosthesis in the absence of stitches.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3734/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTRODEIONIZATION APPARATUS FOR PRODUCING DEIONIZED WATER

(51) International classification	:C02F1/469,B01D61/48	(71) Name of Applicant :
(31) Priority Document No	:2010-127758	1)ORGANO CORPORATION
(32) Priority Date	:03/06/2010	Address of Applicant :2-8, SHINSUNA 1-CHOME, KOTO-
(33) Name of priority country	:Japan	KU, TOKYO 136-8631, JAPAN
(86) International Application No	:PCT/JP2011/061628	(72) Name of Inventor :
Filing Date	:20/05/2011	1)KAZUYA HASEGAWA
(87) International Publication No	:WO 2011/152226	2)YUJI ASAKAWA
(61) Patent of Addition to Application		3)KEISUKE SASAKI
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrodeionization apparatus for producing deionized water comprises a deionization treatment unit including deionization chamber D and a pair of concentration chambers C1 and C2 placed adjacent to deionization chamber D on opposite sides thereof and those concentration chambers are filled with anion exchangers. The deionization chamber D is partitioned by an ion exchange membrane into first small deionization chamber D-1 adjacent to concentration chamber C1 and second small deionization chamber D-2 adjacent to concentration chamber C2. First small deionization chamber D-1 is filled with an anion exchanger. Second small deionization chamber D-2 is filled with an anion exchanger and a cation exchanger in a sequence such that the ion exchanger, through which water that is to be treated finally passes, is the anion exchanger.

No. of Pages : 64 No. of Claims : 4

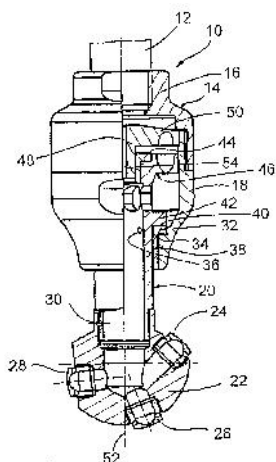
(54) Title of the invention : ROTATING NOZZLE SYSTEM

(51) International classification :F01D
 (31) Priority Document No :102011006865.1
 (32) Priority Date :06/04/2011
 (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)LECHLER GMBH
 Address of Applicant :ULMER STRASSE 128 72555
 METZINGEN, Germany
 (72)**Name of Inventor :**
1)HERMANN LANGE

(57) Abstract :

The invention relates to a rotating nozzle system comprising a housing that is immovable in relation to a connected feed pipe and to a rotating nozzle head, wherein the nozzle head has at least one outlet orifice and wherein the nozzle head is connected to a shaft protruding into the housing and is non-rotatably connected to a turbine wheel present within the housing. The turbine wheel and the shaft each have a center through bore for the purpose of providing, within the housing, a first flow path extending from the connected feed pipe to the nozzle head and passing through the turbine wheel and a second flow path extending from the connected feed pipe to the nozzle head and passing through each of the center bores.



No. of Pages : 20 No. of Claims : 11

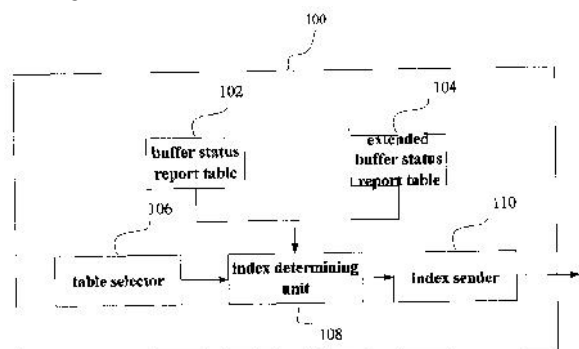
(54) Title of the invention : REPORTING METHOD OF TERMINAL BUFFER STATE REPORT(BSR), OBTAINING METHOD FOR OBTAINING BSR FROM BASE STATION, AND CORRESPONDING TERMINAL, BASE STATION, COMMUNICATION SYSTEM

(51) International classification :G06F11/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/CN2010/074076
 Filing Date :18/06/2010
 (87) International Publication No :WO 2011/156973
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**
1)FUJITSU LIMITED
 Address of Applicant :1-1,Kamikodanaka 4-chome,
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 (72)**Name of Inventor :**
1)XU, Haibo
2)OHTA, Yoshiaki
3)SUGIYAMA, Katsumasa
4)BUCKNELL, Paul

(57) Abstract :

The present invention provides a reporting method of terminal Buffer State Report (BSR) obtaining method for obtaining the BSR from a base station, and corresponding terminal, base station, communication system. The terminal includes: buffer state index table; at least one extended buffer state index table; index table selector, selecting one of the index table from the said buffer state index table and the said at least one extended buffer state index table; index determination device, determining the index which is corresponding to the data quantity in the said index table according to the data quantity in the terminal buffer; index sender, sending the said index to the base station.



No. of Pages : 46 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3947/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONNECTING DEVICE FOR PHOTOVOLTAIC MODULES AND METHODS FOR INSTALLING SAME

(51) International classification :H01L31/048
(31) Priority Document No :10 2010 024 350.7
(32) Priority Date :18/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/002494
Filing Date :19/05/2011
(87) International Publication No :WO 2011/157340
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PHOENIX CONTACT GMBH & CO. KG
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Blomberg, Germany
(72)**Name of Inventor :**
1)SAGDIC Mehmet
2)GIEFERS Stefan
3)HOPPE Udo
4)BEIER Thomas

(57) Abstract :

The invention relates to a connecting device (1) for photovoltaic capable insulating glass panes (50), comprising at least one retaining device (2) that is attached laterally to the photovoltaic capable insulating glass pane (50). In the installed state of the retaining device the retaining device (2) is open on at least one side facing the intermediate space (55) so that at least one ribbon (51) can be inserted into a clamping device (10) inserted in the retaining device (2), wherein the ribbon (51) establishes an electrical contact for a photovoltaic device (57) inserted in the at least one intermediate space (55) and wherein the clamping device (10) is provided with an electrical supply line (20) in such a way that the clamping device (10) establishes an electrical clamping contact between the at least one ribbon (51) and the electrical supply line (20).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3778/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD OF MAKING A HEAT EXCHANGE COMPONENT USING WIRE MESH SCREENS

(51) International classification :B23P15/26,F28F1/44,F28F3/12

(31) Priority Document No :12/773,606

(32) Priority Date :04/05/2010

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

(86) International Application
No :PCT/CA2011/000526

Filing Date :04/05/2011

(87) International Publication
No :WO 2011/137522

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

(62) Divisional to Application
Number :NA

Filing Date :NA

(71)Name of Applicant :

1)BRAYTON ENERGY CANADA, INC.

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(72)Name of Inventor :

1)CORBEIL, Antoine

2)BERUBE, Gregoire

3)HOUDE, Michel

4)MATTE, Eric

(57) Abstract :

A heat exchanger component is made by forming a wafer having a pair of opposed outer major faces with interstices between them from a stack of wire mesh screens. The outer major surfaces of the wafer are sealed by depositing a metal coating on them. The deposited metal coatings define between them a flow path for a heat exchange fluid extending through the interstices of the wafer.

No. of Pages : 28 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3971/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS FOR IMPROVING STEERING SENSITIVITY OF VEHICLE

(51) International classification :B60W30/02,B60W10/08,B62D6/00
(31) Priority Document No :2010-114698
(32) Priority Date :18/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059176
Filing Date :13/04/2011
(87) International Publication No :WO 2011/145410
(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)KAGEYAMA Yusuke
2)KATO Kazuhito

(57) Abstract :

Disclosed is an apparatus for improving the steering sensitivity of a vehicle, in which a motor torque increase correction operation during a setting time period (TM1s) and a motor torque decrease correction operation during a setting time period (TM2s) are sequentially performed while the vehicle is being steered after t1, and a wheel driving force is repeatedly increased or decreased in a manner such that a driver cannot perceive the acceleration or deceleration of the vehicle. The repeated increase or decrease in the wheel driving force causes an increase or decrease in steering force which is exhibited as an amount of thrust increase or decrease of a steering rack. When the steering force is repeatedly increased or decreased, since the driver may strongly sense a large steering force (during the increase) as a whole, the intensity of the steering force sensed by the driver can be appropriately adjusted merely by the settings for the motor torque increase time period (TM1s) and the motor torque decrease time period (TM2s), and steering sensitivity can be improved in such a way that the driver can feel a sense of security and a sense of unity with the vehicle.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3972/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PROCESS FOR PRODUCING MOLD

(51) International classification :B29C33/38
(31) Priority Document No :2010-135469
(32) Priority Date :14/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062827
Filing Date :03/06/2011
(87) International Publication No :WO 2011/158673
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Polyplastics Co., Ltd.
Address of Applicant :2-18-1, Konan, Minato-ku, Tokyo
1088280, JAPAN
(72)**Name of Inventor :**
1)TAKASHIMA, Masato
2)MIYASHITA, Takayuki
3)HIROTA, Shinichi

(57) Abstract :

Provided is a process for producing a mold with which the surface of a molded article made of a resin composition containing a liquid-crystalline resin can be kept from fibrillating, and which is used to make a molded article having an excellent appearance. By deriving, through heat conduction analysis, the relationship between the temperature, near the surface of a mold cavity, of a liquid-crystalline resin filled in a mold and the retention time of the liquid-crystalline resin within the mold, a temperature range for the temperature of the resin near the cavity surface and a retention-time range for the retention time are derived such that no surface layer is formed on the skin layer of the molded article; and a thermal-insulation layer that allows said temperature range and said retention-time range to be satisfied is provided on the mold.

No. of Pages : 38 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3973/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR MANUFACTURING A MOLD

(51) International classification :B29C33/02,B29C45/73,B29C45/78
(31) Priority Document No :2010-135464
(32) Priority Date :14/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063072
Filing Date :07/06/2011
(87) International Publication No :WO 2011/158700
(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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1088280, JAPAN
(72)**Name of Inventor :**
1)TAKASHIMA, Masato
2)MIYASHITA, Takayuki
3)HIROTA, Shinichi

(57) Abstract :

Provided is a method of manufacturing a die for the manufacture of molded products that prevents burr formation and sufficiently promotes surface crystallization, by setting die temperature at no more than Tc2- 100°C when molding a crystalline thermoplastic resin. The temperature at which the crystallization speed of the resin filled into the die will be sufficiently fast in the vicinity of the surface of the die so that the degree of crystallization at the surface of the molded article will fall within a determined range, and the sustain period during which the temperature is sustained at or above the temperature at which the crystallization speed of the crystalline thermoplastic resin in the die is sufficiently fast are determined on the basis of the relationship between the crystallization speed and resin temperature of the crystalline thermoplastic resin, and the die is provided with a heat insulating layer so that when the die temperature is Tc2- 100°C, the period during which the temperature in the vicinity of the surface of the die is not lower than the determined temperature conforms to the determined sustain period.

No. of Pages : 39 No. of Claims : 11

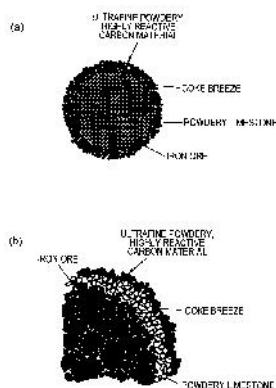
(54) Title of the invention : METHOD FOR MANUFACTURING SINTERING MATERIALS

(51) International classification :C22B1/16
 (31) Priority Document No :2010-172807
 (32) Priority Date :30/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/067725
 Filing Date :27/07/2011
 (87) International Publication No :WO 2012/015067
 (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)Takahide HIGUCHI
2)Nobuyuki OYAMA
3)Naoyuki TAKEUCHI
4)Kouichi NUSHIRO

(57) Abstract :

Provided is a method for producing a starting material for sintering, wherein it is possible to improve productivity compared to conventional methods by effectively using high-carbon dust during the process in which the surface of pseudo particles is being covered with a solid-fuel-based powder starting material. When forming a limestone-based powder starting material base layer by supplying a limestone-based powder starting material to the surface of pseudo particles obtained by granulating a material containing SiO₂ and iron ore and when forming a solid-fuel-based powder starting material outermost layer by supplying a solid-fuel-based powder starting material on the limestone-based powder starting material base layer, a solid-fuel-based powder starting material containing 5 to 40 mass% of high-carbon dust is used as the solid-fuel-based powder starting material.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.38/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR HANDLING SHEET BLANKS

(51) International classification :B32B17/10,B65H11/00,B65H18/00
(31) Priority Document No :A 226/2011
(32) Priority Date :21/02/2011
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2012/000001
Filing Date :03/01/2012
(87) International Publication No :WO 2012/112999
(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)MADER, Leopold

(57) Abstract :

In order to take blanks (7) of sheets, such as are used for producing laminated glass, from a cutting table (1), a takeoff roller (13) which can be adjusted above the cutting table (1) and onto which the sheet blanks (7) are wound is used. In order to fix the beginning of the sheet blank (7) to be taken off to the takeoff roller (13), openings (19) to which negative pressure can be applied are provided in the lateral surface (15) of the takeoff roller (13). When a sheet blank (7) is taken from the cutting table (1), the takeoff roller (13) is brought into position at the beginning of the sheet blank (7) to be taken off, the blank (7) is fixed to the takeoff roller (13) and the takeoff roller (13) is then moved along the cutting table (1) while rotating about its own axis, and so the sheet blank (7) is wound up around the lateral surface (15) of the takeoff roller (13). For laying down the sheet blank (7) onto a glass pane during the production of laminated glass, a correspondingly reversed procedure may be used.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3800/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 21/06/2013

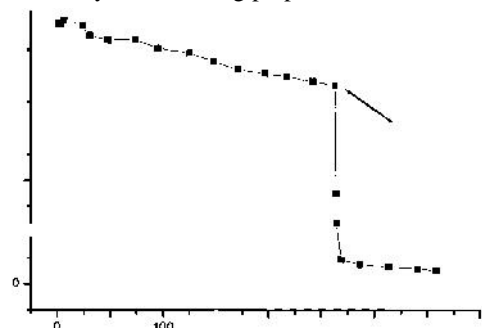
(54) Title of the invention : ORGANIC PEROXIDE COMPOUNDS FOR MICROORGANISM INACTIVATION

(51) International classification :A01N35/02,A01N43/24
(31) Priority Document No :61/395,117
(32) Priority Date :06/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/001394
Filing Date :06/05/2011
(87) International Publication No :WO 2011/138682
(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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SWITZERLAND
(72)**Name of Inventor :**
1)GREGERSEN, Jens, Peter
2)GRUNDEMANN, Thomas

(57) Abstract :

Multifunctional organic peroxides are used as microbiological inactivators and/or for degrading nucleic acids. These include at least one carbon atom and at least two organic peroxide groups. The inactivator is ideally a hydroperoxide. The invention is particularly useful during preparation of viral vaccines.



No. of Pages : 50 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.399/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : X-RAY EMITTER

(51) International classification	:H01J
(31) Priority Document No	:102011007114.8
(32) Priority Date	:11/04/2011
(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 :**

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1)GÜNTER HEIDRICH

(57) Abstract :

The invention relates to an x-ray emitter (1) having a rotating envelope x-ray tube (3), which is rotatably mounted in an emitter housing (2) filled with a cooling and insulating agent by means of a shaft (4), and having a drive apparatus (9), which is coupled to the rotating envelope x-ray tube (3) by way of the shaft (4). In accordance with the invention, the emitter housing (2) is embodied to be hermetically sealed and the drive apparatus (9) includes a predeterminable number of permanent magnets (10) as well as electromagnets corresponding thereto, whereby the permanent magnets (11) are arranged within the emitter housing (2) and alternately annularly around the shaft (4) in terms of their polarity and the electromagnets are arranged on an exterior of the emitter housing (2) and can be controlled by a control and regulating unit such that a rotating alternating field is produced. An x-ray emitter (1) of this type is suited to high rotational speeds and/or to high pressures of the cooling and insulating agent in the emitter housing (2) .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3232/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONTROL OF A FLUID PUMP ASSEMBLY

(51) International classification	:F15B9/04,F15B11/04	(71) Name of Applicant :
(31) Priority Document No	:12/770,261	1)EATON CORPORATION
(32) Priority Date	:29/04/2010	Address of Applicant :1111 Superior Avenue, Eaton Center,
(33) Name of priority country	:U.S.A.	Cleveland, OH 44114-2584 U.S.A.
(86) International Application No	:PCT/US2011/034227	(72) Name of Inventor :
Filing Date	:28/04/2011	1)DYBING Philip J.
(87) International Publication No	:WO 2011/137199	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pump control assembly includes a fluid pump assembly (12) having a fluid pump (20) and a load sensing valve. The fluid pump includes a fluid inlet (24) and a fluid outlet (26). The fluid pump includes a variable displacement mechanism (36). The load sensing valve (42) is adapted to adjust the position of the variable displacement mechanism. The load sensing valve includes a first end (46) and an oppositely disposed second end (48). An actuator (60) is in fluid communication with the fluid pump assembly. A position sensor (100) monitors the position of the actuator. A ramping valve (110) provides selective fluid communication between the fluid outlet of the fluid pump and the first end of the load sensing valve. An electronic control unit is in electrical communication with the position sensor and the ramping valve. The electronic control unit transmits an output current to the ramping valve in response to the position of the actuator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3233/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR MACHINE-CLEANING AND MACHINE-DISINFECTING OBJECTS

(51) International classification :A61L2/025,A61L2/07,A61L2/10
(31) Priority Document No :10 2010 028 339.8
(32) Priority Date :28/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/056595
Filing Date :26/04/2011
(87) International Publication No :WO 2011/134970
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAIGER Lothar
Address of Applicant :Hauptstrasse 3, 88525 Dürmentingen, Germany
(72)**Name of Inventor :**
1)SAIGER Lothar

(57) Abstract :

The invention relates to a method for machine cleaning and machine-disinfecting objects, in particular medical and/or dental instruments and/or work equipment.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3234/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DOOR CLOSING DEVICE

(51) International classification :E05F1/12,E05F3/12,E05F3/20
(31) Priority Document No :VR2010A000101
(32) Priority Date :11/05/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/052069
Filing Date :11/05/2011
(87) International Publication No:WO 2011/141880
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**

1)INDUSTRIA CASEARIA SILVIO BELLADELLI

S.R.L.

Address of Applicant :Via Pasubio, 49, I-37069 Villafranca di Verona (VR), ITALY

(72)**Name of Inventor :**

1)BONGIOVANNI, Claudio

(57) Abstract :

It refers to a door closing device (10) for an automatic closing of a door leaf (B) coupled with a floor and/or a doorpost (S) so as to swing. The door closing device (10) comprises a fixed unit (12) that is fixed on the floor and/or the doorpost (S), a translating unit (14) and a rotating unit (16) on which the door leaf (B) is fixed. The coupling of the three units (12,14,16) and the presence of elastic means (38) are such that, when the rotating unit (16) rotates in a first sense of rotation the translating unit (14) is caused to translate in a direction and such that when the translating unit (14) translates in an opposite direction the rotating unit (16) is caused to rotate in an opposite sense of rotation.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3620/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SUBSTITUTED TIN NIOBIUM OXIDE PIGMENTS

(51) International classification :C01G33/00,C09C1/04,C01B17/64

(31) Priority Document No :61/352,497

(32) Priority Date :08/06/2010

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

(86) International Application No :PCT/US2011/039432

Filing Date :07/06/2011

(87) International Publication No :WO 2011/156362

(61) Patent of Addition to :NA

Application Number :NA

Filing Date

(62) Divisional to :NA

Application Number :NA

Filing Date

(71)Name of Applicant :

1)THE SHEPHERD COLOR COMPANY

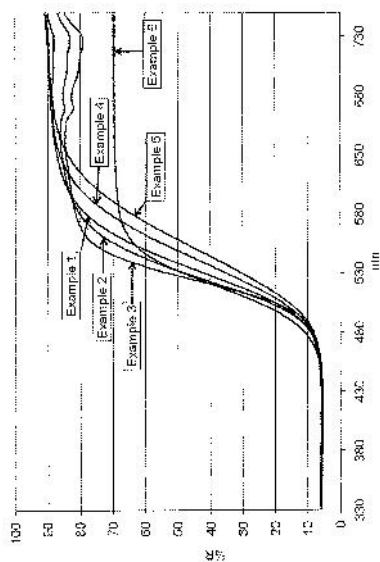
Address of Applicant :4539 DUES DRIVE, CINCINNATI, OH 45246 U.S.A.

(72)Name of Inventor :

1)BOOCOCK, SIMON, K.

(57) Abstract :

An inorganic pigment comprising tin; a divalent metal; niobium; and an oxysulfide, an oxyselenide, or oxysulfo selenide.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4000/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CARRIER FOR A SILICON BLOCK, CARRIER ARRANGEMENT HAVING SUCH A CARRIER AND PROCESS FOR PRODUCING SUCH A CARRIER ARRANGEMENT

(51) International classification	:B28D5/00,B28D5/04	(71) Name of Applicant :
(31) Priority Document No	:10 2010 031 364.5	1)GEBR. SCHMID GMBH
(32) Priority Date	:15/07/2010	Address of Applicant :Robert-Bosch-Straße 32 - 34, 72250
(33) Name of priority country	:Germany	Freudenstadt, Germany
(86) International Application No	:PCT/EP2011/061606	(72) Name of Inventor :
Filing Date	:08/07/2011	1)ESSICH Michael
(87) International Publication No	:WO 2012/007381	2)SCHUSTER Marc
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A carrier (13) for a silicon block (31) is designed to be firmly connected as part of a carrier arrangement (11), together with a lower carrier part (25), to the silicon block (31) and to be moved together therewith for machining by sawing, cleaning or the like. The underside of the carrier (13), which points towards the silicon block (31), has a plurality of channels (29), as does the lower carrier part (25) bonded thereto, the channels (29) in each case lying one above another. Water is introduced into the channels (29) in the carrier (13) from above and can run through sawing slots in the lower carrier part (25) between the wafers of the sawn up silicon block (31) for cleaning purposes.

No. of Pages : 23 No. of Claims : 15

(54) Title of the invention : METHOD FOR PRODUCING ELECTRODE MATERIAL FOR VACUUM CIRCUIT BREAKER, ELECTRODE MATERIAL FOR VACUUM CIRCUIT BREAKER AND ELECTRODE FOR VACUUM CIRCUIT BREAKER

(51) International classification :C22C1/04,B22F1/00,B22F3/26
 (31) Priority Document No :2010-143243
 (32) Priority Date :24/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/064608
 Filing Date :20/06/2011
 (87) International Publication No :WO 2011/162398
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)MEIDEN T&D CORPORATION
 Address of Applicant :1-1, Osaki 2-chome, Sinagawa-ku, Tokyo 141-6029, JAPAN
 (72)Name of Inventor :
1)NODA, Yasushi
2)SATO, Hiromasa

(57) Abstract :

Provided are: a method for producing an electrode material for a vacuum circuit breaker whereby withstand voltage, large current interruption performance and capacitor switching performance can be improved; an electrode material for a vacuum circuit breaker; and an electrode for a vacuum circuit breaker. The electrode material for a vacuum circuit breaker is produced by a method comprising a mixing step, a press sintering step and a Cu infiltration step. In the mixing step, an Mo powder having a particle diameter of 0.8 6 μm is homogeneously mixed with a thermit Cr powder having a particle diameter of 40 300 μm in such a manner as giving a mixing ratio (Mo:Cr) of 1:1 9:1 and satisfying the weight relation Mo=Cr. In the press sintering step, the resultant mixture is pressure molded under a press pressure of 1 4 t/cm to give a molded article. Next, said molded article is sintered by maintaining the same at a temperature of 1100 1200C for 1 2 hours in a heating furnace to give a calcined article. In the Cu infiltration step, a thin Cu plate is placed on said calcined article and maintained at a temperature of 1100 1200C for 1 2 hours in a heating furnace so that Cu is liquid phase sintered and infiltrated into the calcined article. A contact material of an electrode for a vacuum circuit breaker has an integral structure consisting of a central member and a Cu Cr outer peripheral member, said central member having been produced as described above and comprising 30 50 wt% of Cu of a particle diameter of 20 150 μm and 50 70 wt% of Mo Cr of a particle diameter of 1 5 μm , while said outer peripheral member being formed of a material which is highly compatible with the central member shows excellent interruption performance and has high withstand voltage, and being provided outside the central member and fixed thereto.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3606/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PROCESS FOR PRODUCING HIGH MOLECULAR WEIGHT POLYETHYLENE

(51) International classification	:C08F110/02,C08F4/64	(71)Name of Applicant :
(31) Priority Document No	:61/361,685	1)TICONA GMBH
(32) Priority Date	:06/07/2010	Address of Applicant :PROFESSOR-STAUDINGER-STR.
(33) Name of priority country	:U.S.A.	D-65444 KELSTERBACH, GERMANY.
(86) International Application No	:PCT/US2011/042759	(72)Name of Inventor :
Filing Date	:01/07/2011	1)ROBERT, DOMINIQUE
(87) International Publication No	:WO 2012/006230	2)HUFEN, JULIA
(61) Patent of Addition to Application		3)LUDTKE, KERSTIN
Number	:NA	4)EHLERS, JENS
Filing Date	:NA	5)DIAMOND, GARY
(62) Divisional to Application Number	:NA	6)LECLERC, MARGARETE
Filing Date	:NA	7)ZHU, GUANG

(57) Abstract :

In a process for producing polyethylene having a molecular weight of at least 3×10^5 g/mol as determined by ASTM 4020, ethylene is contacted under polymerization conditions with a slurry of a catalyst composition comprising a Group 4 metal complex of a phenolate ether ligand, wherein the slurry further includes a scavenger comprising an alkyl magnesium compound.

No. of Pages : 48 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3607/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE, ITS PRODUCTION AND USE

(51) International classification :C08F110/02,C08F4/64,C08F4/659
(31) Priority Document No :61/361,701
(32) Priority Date :06/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/002322
Filing Date :01/07/2011
(87) International Publication No :WO 2012/004683
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)TICONA GMBH
Address of Applicant :PROFESSOR-STAUDINGER-STR.
D- 65444 KELSTERBACH, GERMANY.
(72)**Name of Inventor :**
1)ROBERT, DOMINIQUE
2)HUFEN, JULIA
3)LÜDTKE, KERSTIN
4)EHLERS, JENS

(57) Abstract :

Ultra-high molecular weight polyethylene has a molecular weight greater than 20×10^6 gm/mol as determined by ASTM 4020 or by size exclusion chromatography (SEC) and is produced by polymerizing ethylene with a catalyst composition comprising a Group 4 metal complex of a phenolate ether ligand.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3804/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BATTERY MODULE

(51) International classification :H01M2/10
(31) Priority Document No :2010-131877
(32) Priority Date :09/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063237
Filing Date :09/06/2011
(87) International Publication No :WO 2011/155559
(61) 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)MATSUO Hirotatsu
2)TAKATSU Ryoichi
3)ISHII Kaoru
4)TODOROKI Naoto

(57) Abstract :

Disclosed is a battery module (1) which comprises: a cell unit (40) that comprises cells (41); and a case that contains the cell unit (40). The case comprises: a first member which has a first guide portion (17); and a second member which has a second guide portion (27) that is fitted into the first guide portion (17) by being slid on the first guide portion (17).

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3805/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :05/12/2012

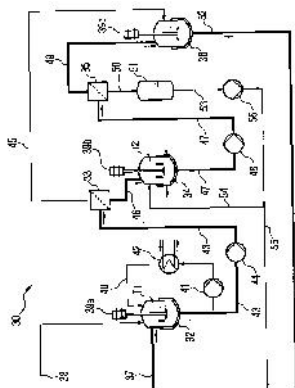
(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TREATING A CONTAMINATED SOLVENT

(51) International classification	:B01D53/62,B01D53/96	(71)Name of Applicant :	
(31) Priority Document No	:10170449.2	1)SIEMENS AKTIENGESELLSCHAFT	
(32) Priority Date	:22/07/2010	Address of Applicant :Wittelsbacherplatz 2, 80333	
(33) Name of priority country	:EPO	München, Germany	
(86) International Application No	:PCT/EP2011/059468	(72)Name of Inventor :	
Filing Date	:08/06/2011	1)GOETHEER, Earl Lawrence Vincent	
(87) International Publication No	:WO 2012/010371	2)JOH, Ralph	
(61) Patent of Addition to Application	:NA	3)GILING, Erwin Johannes Martinus	
Number	:NA	4)SCHNEIDER, Rüdiger	
Filing Date	:NA	5)VAN DER MEER, Johannes	
(62) Divisional to Application Number	:NA	6)VERDOES, Dirk	
Filing Date	:NA		

(57) Abstract :

The invention relates to a method (1) for treating a contaminated alkaline amino acid saline solution (3). Carbon dioxide (2) is first introduced into the amino acid saline solution (3), by means of which carbonate or carbonate salts (4) precipitate and are filtered out. The remaining filtrate is then cooled, wherein amino acids or amino acid salts (7) crystallize and are also filtered out. The amino acid or the amino acid salt (7) is then dissolved again, by means of which a treated amino acid salt solution (15) is recovered. The invention further relates to a device (30) for carrying out the method.



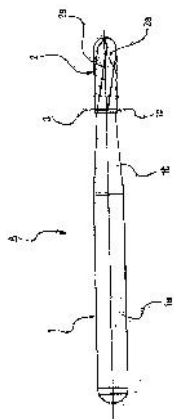
No. of Pages : 28 No. of Claims : 3

(54) Title of the invention : MEDICAL CUTTING INSTRUMENT

(51) International classification	:A61C3/02	(71)Name of Applicant :
(31) Priority Document No	:2010-149498	1)MANI, INC.
(32) Priority Date	:30/06/2010	Address of Applicant :8-3, Kiyohara Industrial Park,
(33) Name of priority country	:Japan	Utsunomiya-shi, Tochigi, 3213231 JAPAN
(86) International Application No	:PCT/JP2011/064689	(72)Name of Inventor :
Filing Date	:27/06/2011	1)SHIOIRI, Mutsunori
(87) International Publication No	:WO 2012/002325	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A medical cutting instrument which stably exhibits high joint strength obtained by brazing. A cutting instrument (A) is configured by providing a working section (2) to the front end of a shank section (1), the working section (2) consisting of a carbide or a ceramic the shank section (1) being constructed from a round stainless steel bar or a round tool steel bar. The shank section (1) and the working section (2) are connected through a brazed section (3). The brazed section (3) is the portion at which the shank section (1) and the working section (2) are brazed together while brazing surfaces, which are provided with protrusion sections formed on the shank section (1) and/or the working section (2) are caused to be in contact with each other. The protrusion sections provided on the brazing surfaces each comprise sloped surfaces (5b) having an apex (5a), and the height of the sloped surfaces (5b) is set in the range of 0.5%-8%, inclusive of the diameter of the brazing surface of the shank section (1).



No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.40/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : PAN-LYSSAVIRUS VACCINES AGAINST RABIES

(51) International classification :C12N15/47,C12N15/63,A61K39/205
(31) Priority Document No :61/358,288
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041579
Filing Date :23/06/2011
(87) International Publication No :WO 2011/163446
(61) 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 GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION
Address of Applicant :Technology Transfer Office, 4770 Buford Highway (k79), Atlanta, GA 30341 U.S.A.
(72)Name of Inventor :
1)WU, Xianfu
2)RUPPRECHT, Charles, E.
3)KUZMIN, Ivan, V.

(57) Abstract :

Described herein are recombinant rabies viruses encoding rabies virus glycoprotein and at least one heterologous glycoprotein from another lyssavirus, such as Mokola virus, Lagos bat virus and/or West Caucasian bat virus. In particular embodiments, the recombinant rabies virus includes two or three heterologous lyssavirus glycoproteins. The disclosed recombinant rabies viruses can be used as pan- lyssavirus vaccines to provide protection against lyssaviruses that cause rabies.

No. of Pages : 60 No. of Claims : 45

(54) Title of the invention : COLOR SORTING MACHINE

(51) International classification :B07C5/342,B07C5/36,G01N21/85
 (31) Priority Document No :2010-138808
 (32) Priority Date :18/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062646
 Filing Date :02/06/2011
 (87) International Publication No :WO 2011/158656
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)SATAKE CORPORATION

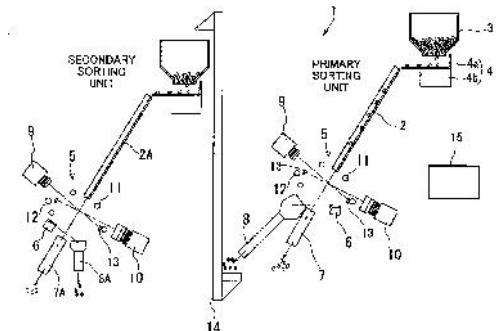
Address of Applicant :7-2, Sotokanda 4-chome Chiyoda-ku, Tokyo, 1010021 JAPAN

(72)Name of Inventor :

1)TANAKA, Norihiko

(57) Abstract :

Provided is a color sorting machine in which decreases in yield resulting from the erroneous inclusion of good granules can be prevented by using different selection algorithms and operation ejector nozzle operations resulting therefrom in a first sorting part and a second sorting part. The machine is provided with: a binarization means for binarizing images of granular objects, a flaw-detecting means for extracting flawed parts of granular objects a reducing means for reducing images of the external contour parts of granular objects an enlarging means for enlarging images of the flawed parts of granular objects, and a synthesis means for synthesizing the reduced images of the external contours and the enlarged images of the flawed parts; wherein on the basis of an image obtained by this synthesis means, different air-jetting operations are established for the ejection means of a first sorting part and the ejection means of a second sorting part.



No. of Pages : 41 No. of Claims : 4

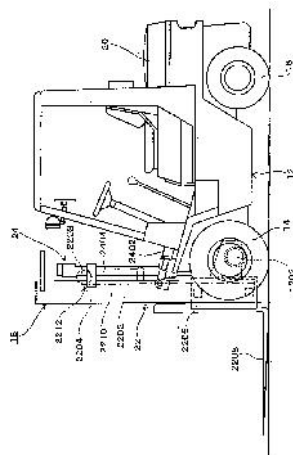
(54) Title of the invention : MAST DEVICE FOR FORK LIFT TRUCK

(51) International classification :B66F9/08
 (31) Priority Document No :2010-195819
 (32) Priority Date :01/09/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/002145
 Filing Date :12/04/2011
 (87) International Publication No :WO 2012/029206
 (61) 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, Tokyo 1080075 JAPAN
 (72)Name of Inventor :
1)MIWA, Takaaki
2)NISHIMURA, Shinya
3)INOMATA, Nobuyuki

(57) Abstract :

A mast device for a fork lift truck configured so that a guide section is easily mounted and replaced and that the guide section is reduced in cost. At least one of guide members forming first to third guide sections is configured so as to include a resin slide member (40). The slide member (40) has a block body (42). The block body (42) comprises a hollow body having a rear face open and having a rectangular frame-shaped cross-section. A rectangular flat plate-shaped front face section (44) is provided at the portion of the block body (42) which is located on the opposite side of the rear face. The surface of the front face section (44) is formed as a sliding contact surface (44a). Ribs (48) for reinforcing the sliding contact surface (44a) are provided on the rear surface of the front face section (44). The sliding contact surface (44a) has grooves (50) formed therein, the grooves (50) being formed according to the shape of the ribs (48) and preventing the shrinkage of the sliding contact surface (44a). A set of side sections (46) among the two sets of side sections of the block body (42), the side sections of each set facing each other, is provided with mounting sections (52) having bolt insertion holes (5202).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3798/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ALGAE BIOFUEL CARBON DIOXIDE DISTRIBUTION SYSTEM

(51) International classification :C12P7/02
(31) Priority Document No :12/817,029
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039817
Filing Date :09/06/2011
(87) International Publication No :WO 2011/159547
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GENERAL ATOMICS
Address of Applicant :3550 General Atomics Court, San
Diego, CA 92121-1194 U.S.A.
(72)**Name of Inventor :**
1)HAZLEBECK, David, A.

(57) Abstract :

A system and method for producing biofuel from pollutant-fed algae are disclosed. Specifically, the system includes a scrubber with a chamber for receiving a pollutant-contaminated fluid stream. Further, a scrubber solution is received in the chamber for scrubbing the pollutant-contaminated fluid stream. Also, the system includes a bioreactor that is provided with an input port to receive the scrubber solution with pollutants for use as nutrients to support algae cell growth. Further, the system includes an algae separator that removes the algae from the bioreactor and a device for processing the algae into biofuel. In order to recycle the scrubber solution, the algae separator is in fluid communication with the scrubber. With this arrangement, the effluence from the bioreactor may be recycled for use as the scrubber solution.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4020/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : THREE SPEED GEARBOX FROM SINGLE PLANETARY GEARSET

(51) International classification :F16H3/78
(31) Priority Document No :61/359,515
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042079
Filing Date :28/06/2011
(87) International Publication No :WO 2012/006042
(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)FRANK, George, J.

(57) Abstract :

The present invention is a three forward speed gearbox with reverse from a single planetary gearset 10. The forward speed ratios include a low gear, one to one, and overdrive. The reverse gear ratio is identical with the low gear. Forward rotation of the output shaft 28 in first gear is accomplished by reversing the direction of the input motor. This is easily achieved from a bi-directional prime mover 11 such as a hydraulic motor or electric motor. Another advantage of using a bi-directional prime mover 11 is that the bi-directional rotation of the input hub 12 provides forward, reverse and back drive to accumulate energy in an accumulator 50.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.13/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR REPAIRING A ROLLER, AND ROLLER

(51) International classification :B41F13/08,B41F13/20,F16C13/02
(31) Priority Document No :10171090.3
(32) Priority Date :28/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/062829
Filing Date :26/07/2011
(87) International Publication No :WO 2012/013674
(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)MACFARLANE Graham
2)PFEIL Thorsten
3)DEUSSEN Jürgen

(57) Abstract :

The invention relates to a method for repairing a printing cylinder that comprises a cylinder base body (10) consisting of plastic, particularly a plastic composite material. Bearing mount elements (16) are inserted into the two end regions (14) of the cylinder base body, said bearing mount elements (16) being connected to the cylinder base body (10) by means of adhesion. Inner surfaces (24) of the bearing mount elements (16) can be damaged as a result of high amounts of stress occurring during operation of the printing cylinder. The damaged bearing mount elements (16) are hollowed by boring on their inner surfaces (24). A bushing (32, 44) is subsequently inserted into each of the bearing mount elements (16). The inner surfaces (36) of the bushings (32, 44) are able to receive outer bearing rings (26) of the roller bearings that carry the printing cylinder. In addition, the invention relates to a printing cylinder comprising an inserted bushing (32, 44).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.23/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : CABLE GLAND PLATE

(51) International classification :H02G3/22,H02G3/08,H01B17/26
(31) Priority Document No :20105720
(32) Priority Date :22/06/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050598
Filing Date :21/06/2011
(87) International Publication No :WO 2011/161319
(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)HAUTAMÄKI, Mika

(57) Abstract :

The invention relates to a cable gland plate for passing cables in a sealed fashion through a casing, such as the wall of a low voltage switchgear. The cable gland plate includes a substantially rectangular rigid frame (6) and, within the space delimited by the frame, a set of gland elements (7,8,9) and a pressure unit (16) in order to press the gland elements tightly against each other and the frame. According to the invention, one pair of opposed edges (12) of the rigid frame includes slide bars (10); one pair of opposed edges of each gland element (7,8,9) includes slide posts (14) arranged to be fitted to the opposed slide bars; and the pressure unit (16) includes an actuator (35) carrying out two sequential pressure actions in such a way that the first pressure action presses the gland elements to each other in the lengthwise direction of the slide bars, and the second pressure action pushes the pressure unit against the frame and the adjacent gland elements.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3851/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : AN EVAPORATOR WITH COATED AND CORRUGATED TUBES.

(51) International classification:B01D1/04,B01D1/22,B01D1/26

(31) Priority Document No :206540

(32) Priority Date :22/06/2010

(33) Name of priority country :Israel

(86) International Application No :PCT/IB2011/052684

Filing Date :20/06/2011

(87) International Publication No :WO 2011/161613

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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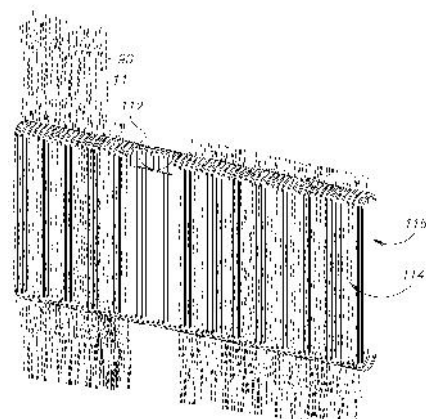
1)LEVY, Amnon

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(57) Abstract :

An evaporator having more efficient heat transfer tubes, that are either or both coated and vertically corrugated. The coating, though reducing the heat transfer coefficient lengthens the time between cleaning treatment to increase the overall efficiency of the evaporator. The corrugation of the tubes controls the film characteristics and enhances evaporation from the film upon condensation of vapor within the tubes. The corrugation profile is selected to enhance waviness and turbulence of the films and thereby increase evaporation and condensation and hence the effectivity of the evaporator.



No. of Pages : 34 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4035/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : FLUID FLOW METER

(51) International classification :G01F3/10,G01F15/14
(31) Priority Document No :12/851,598
(32) Priority Date :06/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/053423
Filing Date :01/08/2011
(87) International Publication No :WO 2012/017380
(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)LIMBACK, Scott

(57) Abstract :

Fluid flow meters and methods for measuring different aspects of fluid flow with a non- contact sensor are provided. In some cases a fluid flow gear meter is provided with a fluid chamber that is sealed with a cover portion carrying the non-contact sensor. An optional separation member may be located between the cover portion and the chamber to seal the chamber. In some cases the cover portion and/or separation member are configured to transmit visible light to allow viewing of the fluid chamber, through material selection and/or the presence of viewing cavities within the material. The flow meter is optionally configured to prevent or reduce the transmission of ambient environmental radiation into the flow meter to lessen the likelihood that it may adversely affect an optical non-contact sensor used to detect movement of gears within the chamber.

No. of Pages : 38 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3685/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE IN THE FORM OF A BOX STRUCTURE INTENDED TO SUPPORT AT LEAST ONE MIRROR FOR REFLECTING SOLAR ENERGY

(51) International classification :F24J2/52
(31) Priority Document No :1002335
(32) Priority Date :02/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051235
Filing Date :31/05/2011
(87) International Publication No :WO 2011/151588
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention relates to a box-shaped device for holding at least one mirror to reflect solar energy. The device according to the invention is characterized in that it assumes the form of a box comprising two parallel end walls (4) formed by two sheet metal plates, two parallel side beams (5) respectively integral with the two end walls (4) and formed by two sheet metal plates, a front wall (3) intended to hold the mirror, fastened on the edges of a same side of the end walls (4) and the beams (5) and formed by a corrugated sheet metal plate and a dorsal wall (8) fastened on the edges of the side opposite the end walls (4) and the beams (5) and formed by a corrugated sheet metal plate (8), the corrugations of these two sheets (3, 8) being longitudinal parallel to the beams (5). The invention is applicable to the field of concentrating solar facilities.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3687/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SEAL RING

(51) International classification :F16J15/18,F16H57/02,F16H61/00
(31) Priority Document No :2010-142593
(32) Priority Date :23/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064226
Filing Date :22/06/2011
(87) International Publication No :WO 2011/162283
(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)SAITO MIKA

(57) Abstract :

Provided is a seal ring that has low-leakage characteristics and low-friction characteristics and can improve the drive loss of the automatic transmission of an automobile to thereby contribute to an improvement in the fuel consumption of the automobile. The seal ring is attached to a shaft groove formed on the outer peripheral surface of a shaft. A plurality of peripherally spaced recessed sections are formed on at least the inner peripheral side of a contact side-surface. Inner walls are provided on the inner peripheral side of the recessed sections, and oil introduction openings that open on an inner peripheral surface are provided on the inner peripheral side of the recessed sections. The inner walls may be provided on opposite peripheral sides of the recessed sections but may be provided only on the rear side in the rotation direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.407/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : CAPACITIVELY COUPLED STRIPLINE TO MICROSTRIP TRANSITION, AND ANTENNA THEREOF

(51) International classification	:H01P
(31) Priority Document No	:201110085503.X
(32) Priority Date	:06/04/2011
(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

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2)HE, JINCHUN
3)WEN, HANGSHENG

(57) Abstract :

The present invention provides a capacitively coupled stripline to microstrip transition which comprises a stripline, a microstrip, an upper conductive ground plane, a lower conductive ground plane, an insulating layer and an insulating fixing component. The stripline is positioned between the upper conductive ground plane and the lower conductive ground plane, and has a stripline overlap section. The microstrip is mounted on the upper conductive ground plane, and has a microstrip overlap section which penetrates the upper conductive ground plane. Wherein the microstrip overlap section, the insulating layer and the stripline overlap section are attached uniformly and tightly in sequence and fixed together by the insulating fixing component. The present invention further provides an antenna comprising this transition. Therefore the present invention is designed skillfully, simple in structure, simple and convenient to assemble, has a low cost, avoids metals direct contact to eliminate the PIM problem, further prevents the parallel plate mode, to further eliminate the PIM risk, improve insertion loss and provide high isolation from neighboring transitions, to completely eliminate unstable factors, and therefore is suitable for large-scale popularization.

No. of Pages : 32 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4071/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ALKALOID AMINOESTER DERIVATIVES AND MEDICINAL COMPOSITIONS THEREOF

(51) International classification :C07D453/02,A61K31/439,A61P11/00
(31) Priority Document No :10166907.5
(32) Priority Date :22/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/060131
Filing Date :17/06/2011
(87) International Publication No :WO 2011/161018
(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)AMARI, GABRIELE
2)RICCABONI, MAURO
3)BOSSOLO, STEFANO

(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 : 92 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3782/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

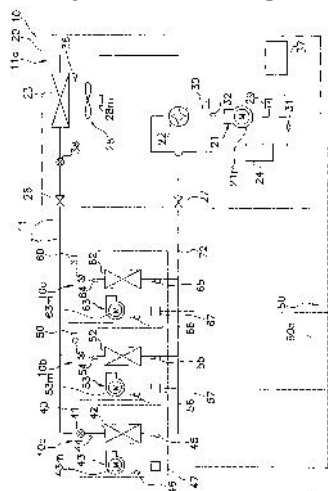
(54) Title of the invention : OPERATION CONTROL APPARATUS OF AIR-CONDITIONING APPARATUS AND AIR-CONDITIONING APPARATUS COMPRISING SAME

(51) International classification :F24F11/02,F25B1/00
(31) Priority Document No :2010-109042
(32) Priority Date :11/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059924
Filing Date :22/04/2011
(87) International Publication No :WO 2011/142234
(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)Shinichi KASAHARA
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6)Shingo OHNISHI

(57) Abstract :

The disclosed control device (80) for an air-conditioning device improves the operating efficiency of the air-conditioning device, thereby saving energy. Said air-conditioning device (10) has indoor units (40, 50, 60), which contain use-side heat exchangers(42, 52, 62), and an outdoor unit (20). The air-conditioning device performs indoor temperature control in which devices provided in the indoor units are controlled such that the indoor temperature approaches a set temperature. The air-conditioning device is provided with requested-temperature computation units (47b, 57b, 67b) that compute requested evaporation temperatures or requested condensation temperatures on the basis of either: a current use-side heat-exchanger heat exchange amount and a larger use- side heat-exchanger heat exchange amount; or an operating level that results in the current use- side heat-exchanger heat exchange amount and an operating level that results in a larger use-side heat-exchanger heat exchange amount.



No. of Pages : 58 No. of Claims : 14

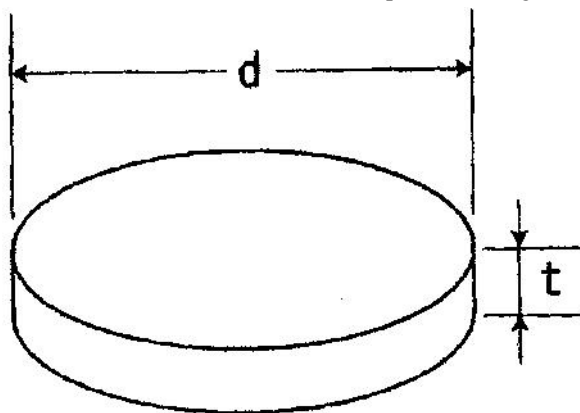
(54) Title of the invention : HIGH-STRENGTH HOT-ROLLED STEEL SHEET HAVING EXCELLENT STRETCH-FLANGE FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/14,C22C38/54,C21D8/02
 (31) Priority Document No :2010-145414
 (32) Priority Date :25/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/064988
 Filing Date :23/06/2011
 (87) International Publication No :WO 2011/162412
 (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)noriaki MORIYASU
4)Takayuki MURATA

(57) Abstract :

Disclosed are: a high-strength hot-rolled steel sheet having a good balance between strength and stretch flangeability; and a method for producing the high-strength hot-rolled steel sheet. Specifically disclosed is a high-strength hot-rolled steel sheet which has a tensile strength of 780 MPa or more and excellent stretch flangeability. The high-strength hot-rolled steel sheet has a composition containing more than 0.035% but 0.055% or less of C, 0.2% or less of Si, 0.35% or less of Mn, 0.03% or less of P, 0.03% or less of S, 0.1% or less of Al, 0.01% or less of N, 0.08-0.25% (inclusive) of Ti, and 0.0005-0.0035% of B (inclusive) including 0.0005% or more of solid-solved B, with the balance made up of Fe and unavoidable impurities. The high-strength hot-rolled steel sheet has a matrix that contains ferrite phase in an area ratio of more than 95% and a structure wherein Ti carbide particles having an average particle diameter of less than 10 nm are finely precipitated in the crystal grains of the ferrite phase with the volume ratio of the Ti carbide particles being 0.0015-0.007 (inclusive).



No. of Pages : 48 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3789/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TARGET LAUNCHING DEVICE

(51) International classification :F41J9/16,F41J9/18,F41J9/20
(31) Priority Document No :1053485
(32) Priority Date :05/05/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/057077
Filing Date :03/05/2011
(87) International Publication No :WO 2011/138343
(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)FOUQUES, Jean-Marc

(57) Abstract :

The invention relates to a device for launching targets (2), comprising a surface (12) for supporting a target (2) to be launched and a launch arm (1) capable of applying a launch force on the target. The invention is characterised in that the aforementioned supporting surface comprises friction means for rotating the target as it is being launched by the launch arm. The invention is particularly suitable for launching archery targets.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.419/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : LTE-1X DUAL-STANDBY WITH SINGLE-CHIP RADIO

(51) International classification	:H04B	(71) Name of Applicant :
(31) Priority Document No	:61/476,736	1)APPLE INC.
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(33) Name of priority country	:U.S.A.	CALIFORNIA 95014 U.S.A.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)MUJTABA, SYED AON
(87) International Publication No	: NA	2)ZHAO, WEN
(61) Patent of Addition to Application Number	:NA	3)WANG, XIAOWEN
Filing Date	:NA	4)MAJJIGI, VINAY
(62) Divisional to Application Number	:NA	5)MAHE, ISABEL G.
Filing Date	:NA	

(57) Abstract :

Electronic devices may be provided that contain wireless communication circuitry. The wireless communication circuitry may include radio-frequency transceiver circuitry coupled to antennas by switching circuitry. Multiple radio access technologies may be supported. A device may include first and second antennas. Control circuitry can configure the transceiver circuitry and switching circuitry to support operation of the device in active and idle modes for each radio access technology. In some configurations, both antennas may be used to support operations associated with one of the radio access technologies. In other configurations, the first antenna may be used to support operations with a first of the radio access technologies while the second antenna is used to support operations with a second of the radio access technologies.

No. of Pages : 62 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3695/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTATING COALESCER WITH KEYED DRIVE

(51) International classification :F02B25/06
(31) Priority Document No :61/383,793
(32) Priority Date :17/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046388
Filing Date :03/08/2011
(87) International Publication No :WO 2012/036797
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

A gas-liquid rotating coalescer includes first and second sets of one or more detent surfaces on a rotary drive member and a driven annular rotating coalescing filter element which engagingly interact in interlocking mating keyed relation to effect rotation of the coalescing filter element by the rotary drive member. Designated operation of the coalescer requires that the coalescing filter element include the second set of detent surfaces. A coalescing filter element missing the second set of detent surfaces will not effect the noted designated operation.

No. of Pages : 55 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3696/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SELF-CROSSLINKABLE POLYHYDROXY POLYURETHANE RESIN, RESINACEOUS MATERIAL THAT CONTAINS THE RESIN, PROCESS FOR PRODUCTION OF THE RESIN, AND IMITATION LEATHER, SURFACING MATERIAL AND WEATHERSTRIP MATERIAL, USING THE RESIN

(51) International classification :C08G71/00,B32B27/32,B32B27/40
(31) Priority Document No :2010-143813
(32) Priority Date :24/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064132
Filing Date :21/06/2011
(87) International Publication No :WO 2011/162237
(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 :

Provided are a self-crosslinking polyhydroxy polyurethane resin derived from a reaction of a 5-membered cyclic carbonate compound and an amine compound and having masked isocyanate groups in its structure; a process for producing the resin; an imitation leather composed of a base fabric and a resin composition composed of the resin as its principal component and impregnated in or laminated on the base fabric; a skin material made of a thermoplastic polyolefin resin, said skin material including a thermoplastic polyolefin resin sheet and a top coat layer formed directly or via a primer layer on the sheet, wherein the top coat layer has been formed with a resin composition composed of the resin as its principal component; and a weather strip material composed, as its principal components, of the resin and a specific diorganopolysiloxane and/or a silicone oil.

No. of Pages : 116 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.41/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : A FILTRATION APPARATUS AND METHOD FOR TREATING GRANULAR FILTRATION MEDIUM

(51) International classification	:B01D24/16,B01D24/24	(71)Name of Applicant :
(31) Priority Document No	:206841	1)LIQUID AUTOMATION LTD.
(32) Priority Date	:06/07/2010	Address of Applicant :10/4 Shirat Geulim St., 46440
(33) Name of priority country	:Israel	Herzliya, ISRAEL
(86) International Application No	:PCT/IL2011/000529	2)KESSLER ILAN MANAGEMENT AND
Filing Date	:06/07/2011	DEVELOPMENT (2001) LTD.
(87) International Publication No	:WO 2012/004789	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)BEN-DOSA, Haim
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A filtration apparatus comprising: a filtration column having a perforated hollow member mounted inside it to define a filtrate zone therein and a filtering zone in the volume of said filtration column external to said hollow perforated member, wherein a portion of said filtering zone is filled with filtering grains up to a level sufficient for entirely covering said hollow perforated member, and wherein said filtrate zone is adapted to receive a filtrate obtained from passage of a stream of raw-water introduced via the upper portion of the filtration column and passed through the filtering grains and the perforations of the hollow perforated member.

No. of Pages : 54 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.427/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DIENE POLYMER AND PRODUCTION METHOD THEREOF

(51) International classification	:C08F	(71) Name of Applicant :
(31) Priority Document No	:2011-089182	1)SUMITOMO RUBBER INDUSTRIES, LTD.
(32) Priority Date	:13/04/2011	Address of Applicant :6-9, WAKINOHAMA-CHO 3-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0072 JAPAN
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:NA	1)INOUE, SATORU
Filing Date	:NA	2)NISHIOKA, KAZUYUKI
(87) International Publication 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 diene polymer in which a polar functional group is introduced into an end by radical polymerization, and its production method; a polymer emulsion and a rubber composition, each containing the diene polymer; and a pneumatic tire containing the rubber composition. The present invention relates to a diene polymer, which is obtained by radical polymerization of at least one radical polymerizable monomer in the presence of at least one polar functional group-containing thiol compound, and has a polar functional group at at least one end. The polar functional group-containing thiol compound is preferably represented by formula (1): X-R1-SH (1) wherein X represents an ester group, a hydroxyl group, a carboxyl group, an amino group, or an alkoxysilyl group, and R1 represents an alkylene or arylene group which may have a substituent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3704/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BLOOD PUMP COMPRISING A ROTOR

(51) International classification :A61M1/10,F04D13/06,F04D29/58
(31) Priority Document No :10 2010 019 403.4
(32) Priority Date :04/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/001004
Filing Date :29/04/2011
(87) International Publication No :WO 2012/006976
(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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STOLBERG, Germany
(72)**Name of Inventor :**
1)BAUMGARTNER, ROBERT
2)MATERN, BENJAMIN
3)HENSELER, ANDREAS

(57) Abstract :

The invention relates to a blood pump comprising a rotor mounted over a bearing in a pump housing. According to the invention, the housing comprises a metal rod extending from the outer wall of the housing towards the inner side of the housing. Heat can be derived from said rod and it has a stabilising action.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3708/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

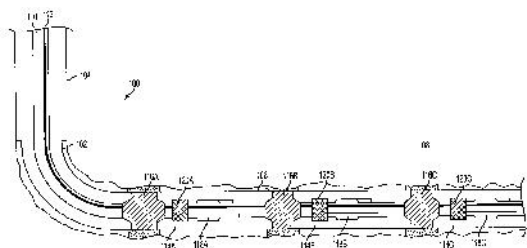
(54) Title of the invention : SYSTEMS AND METHODS FOR ISOLATING CURRENT FLOW TO WELL LOADS

(51) International classification :E21B43/00,E21B43/12
(31) Priority Document No :12/819,938
(32) Priority Date :21/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038671
Filing Date :01/06/2011
(87) International Publication No :WO 2011/162919
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HALLIBURTON ENERGY SERVICES, INC.
Address of Applicant :10200 BELLAIRE BOULEVARD,
HOUSTON, TEXAS 77072 U.S.A.
(72)**Name of Inventor :**
1)SHAW, JOEL D.

(57) Abstract :

Systems and methods for controlling power distribution among various electrical loads disposed in a bore are described. Control modules that are associated with loads such that each load is associated with at least one control module. Each control module includes circuitry that can respond to a voltage at a level that is above a threshold by allowing current to flow to its associated load, and that can prevent current from flowing to its associated load when a voltage level at another load, instead of the associated load, is above a threshold. The loads and control modules can be located in various zones in the wellbore.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3709/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NOVEL PROCESS

(51) International classification :A61K9/107,A61K9/00,A61K39/00
(31) Priority Document No :1009673.3
(32) Priority Date :10/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/059488
Filing Date :08/06/2011
(87) International Publication No :WO 2011/154443
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GLAXOSMITHKLINE BIOLOGICALS S.A.
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(72)**Name of Inventor :**
1)DE CUPERE, VINCIAINE
2)MANCUSO, VINCENT

(57) Abstract :

The present invention provides a process for the production of an oil in water emulsion comprising the step of a) introducing an oil phase into a mixing device by applying a positive pressure in the oil phase containing tank.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3710/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : RUBBER COMPOSITION AND PNEUMATIC TIRE

(51) International classification :C08L15/00,C08F236/04,C08K3/36
(31) Priority Document No :2010-166245
(32) Priority Date :23/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066700
Filing Date :22/07/2011
(87) International Publication No :WO 2012/011567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SUMITOMO RUBBER INDUSTRIES, LTD.
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CHOME CHUO-KU, KOBE-SHI HYOGO 6510072 JAPAN
(72)Name of Inventor :
1)HINOHARA, YUKO
2)NISHIOKA, KAZUYUKI
3)MABUCHI, TAKAHIRO

(57) Abstract :

The present invention provides a rubber composition that achieves a well-balanced improvement in fuel economy, wet-grip performance, and abrasion resistance, and a pneumatic tire formed from the rubber composition. The present invention relates to a rubber composition, including a rubber component and silica, wherein the rubber component contains not less than 5% by mass of a conjugated diene polymer, based on 100% by mass of the rubber component, the conjugated diene polymer containing a constituent unit derived from a conjugated diene and a constituent unit represented by the following formula (I): at least one terminal of the conjugated diene polymer being modified by a compound represented by the following formula (II): and wherein the silica is contained in an amount of 5 to 150 parts by mass per 100 parts by mass of the rubber component.

No. of Pages : 71 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.39/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : BIOGAS SYSTEM

(51) International classification :C12M1/107

(31) Priority Document No :2005004

(32) Priority Date :30/06/2010

(33) Name of priority country :Netherlands

(86) International Application No :PCT/NL2011/050472

Filing Date :30/06/2011

(87) International Publication No :WO 2012/002813

(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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Haag The NETHERLANDS

(72)Name of Inventor :

1)CASTRO, Samuel

2)CASTRO, Mirik

(57) Abstract :

The invention relates to a biogas system comprising an elongated tank forming an elongated internal digester chamber, wherein in its longitudinal direction the tank comprises in series a front end section, multiple intermediate sections and a back section that bound the digestion chamber, wherein the front end section, the intermediate sections and the back section comprises flanges that are coupled against each other.

No. of Pages : 46 No. of Claims : 29

(54) Title of the invention : TONER, IMAGE FORMING METHOD, IMAGE FORMING APPARATUS, AND PROCESS CARTRIDGE

(51) International classification :G03G
 (31) Priority Document No :2011-089902
 (32) Priority Date :14/04/2011
 (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)ISHIKAWA, YOSHIMICHI

2)KADOTA, TAKUYA

3)MIKURIYA, YOSHIHIRO

4)NOZAKI, TSUYOSHI

5)FUWA, KAZUOKI

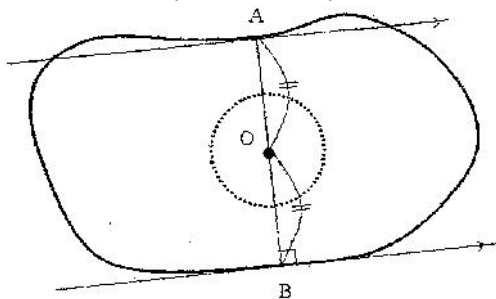
6)FUKAO, TOMOHIRO

7)MIKI, TOMOHARU

8)YAMAMOTO, ATSUSHI

(57) Abstract :

Provided is a toner including: toner particles, each toner particle containing a toner base particle, wherein the toner contains a binder resin; and a colorant, wherein the toner base particle has protrusions at a surface thereof, wherein an average of lengths of long sides of the protrusions is 0.1 μm or more but less than 0.5 μm , a standard deviation of the lengths of the long sides of the protrusions is 0.20 or less, and a coverage rate of the protrusions is 30% to 90%, wherein a resin forming the protrusions is prepared through polymerization of a monomer mixture containing at least a monomer having a sulfonic acid group, and wherein the monomer mixture contains styrene in an amount of 90% by mass or more and the monomer having a sulfonic acid group in an amount of 0.1% by mass to 5% by mass.



No. of Pages : 118 No. of Claims : 15

(54) Title of the invention : HIGH-STRENGTH GALVANIZED STEEL SHEET WITH HIGH YIELD RATIO HAVING EXCELLENT DUCTILITY AND STRETCH FLANGE FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:C22C38/00,C21D9/46,C22C38/06	(71)Name of Applicant :	
(31) Priority Document No	:2010-160401	1)JFE STEEL CORPORATION	
(32) Priority Date	:15/07/2010	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	:PCT/JP2011/066290	(72)Name of Inventor :	
Filing Date	:12/07/2011	1)KAWASAKI, Yoshiyasu	
(87) International Publication No	:WO 2012/008597	2)NAKAGAITO, Tatsuya	
(61) Patent of Addition to Application Number	:NA	3)KANEKO, Shinjiro	
Filing Date	:NA	4)NAGATAKI, Yasunobu	
(62) Divisional to Application Number	:NA	5)FUKUSHI, Keisuke	
Filing Date	:NA		

(57) Abstract :

Disclosed is a high yield ratio hot-dip galvanized steel sheet with excellent ductility and hole expansion properties and having a tensile strength: TS) of 590 MPa or greater; also disclosed is a manufacturing method thereof. The disclosed high yield ratio high-strength hot-dip galvanized steel sheet with excellent ductility and hole expansion properties contains, by mass%, C: between 0.04% and 0.13%, Si: between 0.9% and 2.3%, Mn: between 0.8% and 2.4%, P: less than 0.1%, S: .01% or less, Al: between 0.01% and 0.1%, N: 0.008% or less, with the remainder consisting of iron and inevitable impurities. The composition is 94% or more ferrite and 2% or less martensite by area ratio, the average grain size of the ferrite is 10μm or less, the Vickers hardness of the ferrite is 140 or greater, the average grain size of the carbides present on the ferrite grain boundaries is 0.5μm or less, and the aspect ratio of the carbides present on the ferrite grain boundaries is 2.0 or less.

No. of Pages : 42 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.411/KOL/2012 A

(19) INDIA

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

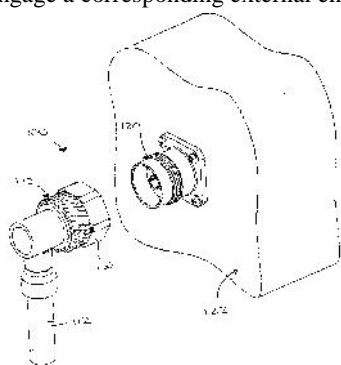
(43) Publication Date : 21/06/2013

(54) Title of the invention : COUPLING SYSTEM FOR ELECTRICAL CONNECTOR ASSEMBLY

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:13/085,058	1)AMPHENOL CORPORATION
(32) Priority Date	:12/04/2011	Address of Applicant :358 HALL AVENUE,
(33) Name of priority country	:U.S.A.	WALLINGFORD, CONNECTICUT 06492 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GREK, JOACHIM I.
(87) International Publication No	: NA	2)BARTHELMES, OWEN R.
(61) Patent of Addition to Application Number	:NA	3)HOYACK, MICHAEL A.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrical connector assembly that comprises a first connector member including a first connector body supporting a first contact. The first connector body is formed of a substantially rigid material and has a first interface end. The first interface end has a substantially conical shape that defines a first tapered surface. A second connector member includes a second connector body supporting a second contact configured to mate with the first contact. The second connector body is formed of a substantially rigid material and has a second interface end that mates with the first interface end. The second interface end of the second connector member has a second tapered surface. The first and second tapered surfaces have substantially the same angle of taper and taper in opposite directions to engage one another in a friction fit wherein the angle of taper is between about 3.5° to 6.5°. A coupling member is mounted near one of the first and second interface ends and has an internal engagement member that is configured to engage a corresponding external engagement member of the other of the first and second connector bodies.



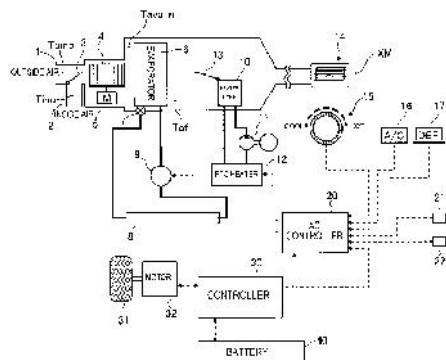
No. of Pages : 20 No. of Claims : 16

(54) Title of the invention : VEHICLE AIR CONDITIONING SYSTEM

(51) International classification	:B60H1/00,B60H1/32	(71)Name of Applicant :
(31) Priority Document No	:2010-131561	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:09/06/2010	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/IB2011/001272	(72)Name of Inventor :
Filing Date	:08/06/2011	1)Tzu-Hsiang YEN
(87) International Publication No	:WO 2011/154812	2)Takayoshi MATSUOKA
(61) Patent of Addition to Application Number	:NA	3)Takafumi UEHARA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vehicle air conditioning system comprises an electric powered refrigerant compressing device, an evaporator, an electric heater, an air temperature determining component, a cabin interior temperature controlling component, an upper limit electric power setting component, and an electric power distribution controller. The evaporator receives refrigerant from the compressing device. The heater is downstream of the evaporator in an air passageway. The determining component determines a first air temperature upstream of the evaporator and a second air temperature between the evaporator and the heater. The controlling component sets a vehicle interior discharge air temperature at a position downstream of the heater to a target temperature. The power setting component sets an upper limit for power supplied to the compressing device and the heater. The power distribution controller distributes the upper limit electric power to the compressing device and the heater based on a ratio of upstream and downstream temperature differences.



No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3939/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTARY TARGET BACKING TUBE BONDING ASSEMBLY

(51) International classification :C23C14/34

(31) Priority Document No :61/363,308

(32) Priority Date :12/07/2010

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

(86) International Application No :PCT/US2011/043532

Filing Date :11/07/2011

(87) International Publication No :WO 2012/009264

(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 :2978 Main Street, Buffalo, NY 14214

U.S.A.

(72)Name of Inventor :

1)WITYAK, George, Michael

2)COX, Luther, Wilburn

(57) Abstract :

A rotary sputtering target bonded to a backing tube such that the bonding material is applied only proximate the ends of the rotary sputtering target and is also between the target and the backing tube to form a gap between the rotary sputtering target and the backing tube and a device for bonding a rotary sputtering target to a backing tube.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.415/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SINGLE SIDE TOUCH PANEL STRUCTURE AND MANUFACTURING METHOD THEREOF.

(51) International classification	:G06F
(31) Priority Document No	:201110089426.5
(32) Priority Date	:11/04/2011
(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

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(72)**Name of Inventor :**
1)CHIH-SHUN CHANG

(57) Abstract :

A single side touch panel structure is provided, which includes a substrate, and a mask layer, a first transparent conducting layer, an insulating layer, and a second transparent conducting layer, wherein the mask layer, the first transparent conducting layer, the insulating layer, and the second transparent conducting layer are from bottom to top sequentially formed on the substrate. The first transparent conducting layer has a plurality of the first patterns, and the second transparent conducting layer has a plurality of the second patterns. The first patterns are arranged in series along a first direction. The second patterns are arranged in series along a second direction that intersects the first direction at an angle. The first and second patterns cross each other, and are separated from each other by the insulating layer. Therefore, a plurality of capacitors are formed at the intersections between the first and second patterns.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4152/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR COMMINUTING REFRIGERATION APPLIANCES

(51) International classification :B02C19/00,B09B3/00,B02C23/26
(31) Priority Document No :10 2010 030 544.8
(32) Priority Date :25/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060642
Filing Date :24/06/2011
(87) International Publication No :WO 2011/161252
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BHS-SONTHOFEN GMBH
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87527 SONTTHOFEN, Germany
(72)Name of Inventor :
1)SCHMANDRA, ANGELO
2)DRECHSEL, CHRISTOPHER

(57) Abstract :

The invention relates to a method for comminuting refrigerators (12), wherein the refrigerators (12) are fed through a feed opening (14) of a comminuting chamber (16) into the comminuting chamber (16), continuously comminuted in the comminuting chamber (16), and comminuted refrigerator material (24) is discharged from the comminuting chamber (16) through a discharge opening (26) of the comminuting chamber (16), the comminuting chamber (16) is purged with air in that air present in the comminuting chamber (16) and enriched by process gases arising from the comminuting of the refrigerators (12) is fed to a gas treatment device (34) at a predetermined volume (L1) per unit of time through a gas feed line (32) having a gas feeding connection to the discharge opening (26) and the gas treatment device (34), and a volume of air (L4) corresponding to said predetermined volume (L1) is fed through the feed opening (14) into the comminuting chamber (16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.432/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BUILDING COMMUNICATION SYSTEM HAVING AT LEAST ONE DOOR STATION AND AT LEAST TWO APARTMENT STATIONS

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)ABB AG
(32) Priority Date	017 367.6	Address of Applicant :KALLSTADTER STR.1, 68309
(33) Name of priority country	:16/04/2011	MANNHEIM Germany
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)OLAF BIGALKE
(87) International Publication No	:NA	2)JÖRG PLATTE
(61) Patent of Addition to Application Number	:NA	3)CHRISTIAN KRUPPA
Filing Date	:NA	4)PETER SCHRAMM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A building communication system is proposed having at least one door station (1) and at least two apartment stations (2 - 5), with all the stations (1 - 5) being connected to a bus (8) via which both the communication and the power supply are handled, and with a voltage supply unit (6) being connected to the bus (8). At least one power coordinator (7) is provided for management of coordinated power consumption by the stations (1 - 5), for which the instantaneous power consumption values of the stations (1 - 5) and the maximum permissible power load capability of the voltage supply unit (6) are available, and which communicates with the stations (1 - 5), with the stations (1 - 5) reporting/requesting their future required power consumption with the power coordinator (7). The power coordinator (7) decides on the basis of the instantaneous power consumption values available to it and the maximum permissible power load capability of the voltage supply unit whether the requested power consumption can be provided by the voltage supply unit (6).

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3679/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CLOSED FLUID TRANSFER SYSTEM

(51) International classification :A61J1/20
(31) Priority Document No :61/348,832
(32) Priority Date :27/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037873
Filing Date :25/05/2011
(87) International Publication No :WO 2011/150037
(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 :2261 CROSSPARK ROAD-SUITE
127,CORALVILLE,IOWA 52241, U.S.A.

(72)**Name of Inventor :**
1)GARFIELD, JARED, MICHAEL
2)KOPLIN, RANDALL, SCOTT
3)KALLSEN, KENT, JEFFREY
4)LEE, DANIEL, JUHYUNG
5)MITCHELL, STEPHEN, R.
6)SLUMP, JOHN, R.

(57) Abstract :

A closed fluid transfer system for fluidly interconnecting a syringe to any one of a patient I.V. set, a vial and an I.V. bag, is provided and includes a first adapter defining a lumen and supporting a seal across a first end of its lumen, the first adapter supporting a rear end of a needle within the lumen, wherein the seal is movable relative to the needle such that a tip of the needle penetrates through the seal; and a second adapter defining a lumen and supporting a seal across a first end of its lumen; wherein when the second adapter is coupled to the first adapter, the second adapter seal abuts the first adapter seal and moves the first adapter seal relative to the tip of the needle such that the tip of the needle penetrates through the abutting first adapter seal and second adapter seal.

No. of Pages : 86 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.387/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 21/06/2013

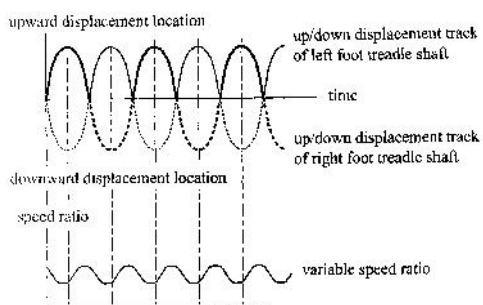
(54) Title of the invention : TREADLE-DRIVE ECCENTRIC WHEEL TRANSMISSION WHEEL SERIES WITH PERIODICALLY VARIED SPEED RATIO

(51) International classification :A43D
(31) Priority Document No :13/076,560
(32) Priority Date :31/03/2011
(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)TAI-HER YANG
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(72)**Name of Inventor :**
1)TAI-HER YANG

(57) Abstract :

The present invention is structured by using one or both of an active wheel and a passive wheel being composed of an eccentric transmission wheel and being combined with a synchronous transmission belt for forming an eccentric wheel transmission wheel series, so that in the reciprocal treadle performed by the human's feet, when the feet input forces at different angles from the treadle shafts of the treadles to an active wheel shaft combined on the active wheel through cranks, the active wheel forms different transmission speed ratios relative to the passive wheel according to the treadle angle.



No. of Pages : 68 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.406/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

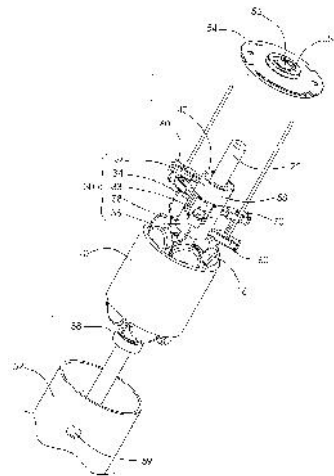
(54) Title of the invention : ELECTRIC MOTOR

(51) International classification :H02K
(31) Priority Document No :201110090016.2
(32) Priority Date :07/04/2011
(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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MURTEN SWITZERLAND
(72)**Name of Inventor :**
1)LI, YUE
2)LIU, LI SHENG

(57) Abstract :

A brush direct current motor has a stator with a plurality of coils that correspond to N phases, a rotor with 2P magnet poles and a current converting device for converting direct current power to N phases current and carrying the N phases of alternating current for the coils of the stator. The current converting device has a plurality of first and second bars alternately arranged with transiting plates along a brush path. Resistors connect the transiting plates to one of the adjacent bars.



No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.425/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ARRANGEMENT FOR GROUND-FAULT DETECTION IN AN AC CIRCUIT AND POWER SUPPLY ARRANGEMENT WITH GROUND-FAULT DETECTION

(51) International classification	:H02H
(31) Priority Document No	:11162277.5
(32) Priority Date	:13/04/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AEG POWER SOLUTIONS B.V.
Address of Applicant :WEERENWEG 29, 1161AH
ZWANENBURG, THE NETHERLANDS
(72)**Name of Inventor :**
1)PETER WALLMEIER

(57) Abstract :

The invention relates to an arrangement (10) for ground fault monitoring of an AC circuit between, on one hand, a neutral conductor (N) of the AC circuit and, on the other hand, a protective ground wire (PE) or a ground wire with a series connection of ohmic resistors (R1, R2, R3), which has a first terminal (101) for the neutral conductor (N) and a second terminal (102) for the protective ground wire (PE) or ground wire, wherein the arrangement includes at least one means for detecting a break of one of the resistors (R1, R2, R3) of the series connection.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.44/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : VEHICLE BATTERY PACK HOUSING STRUCTURE

(51) International classification :B62D25/20,H01M2/10	(71) Name of Applicant :
(31) Priority Document No :2010-130769	1)NISSAN MOTOR CO., LTD.
(32) Priority Date :08/06/2010	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/IB2011/001104	(72) Name of Inventor :
Filing Date :23/05/2011	1)Daisuke AKAZAWA
(87) International Publication No :WO 2011/154790	2)Yasutsune TERASHIMA
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

A vehicle battery pack housing structure includes a vehicle body panel (1, 2L, 2R) and first (18), second (19) and third (20) panel components that define an outward- opening battery housing space (11). The first panel component (18) is rigidly attached to the vehicle body panel (1, 2L, 2R) and includes a first side wall (13) and a base wall (15). The second panel component (19) is rigidly attached to the first panel component (18) and includes a second side wall (14) and a first periphery wall portion (16b). The third panel component (20) is rigidly attached to the second panel component (19). The third panel component (20) includes a second periphery wall portion (16a) that cooperates with the first periphery wall portion (16b) to form a periphery wall portion (16) when the third panel component (20) is rigidly attached to the second panel component (19).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3668/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN RADIO COMMUNICATION SYSTEM

(51) International classification :H04J11/00,H04B7/26,H04B7/04
(31) Priority Document No :61/409,124
(32) Priority Date :02/11/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/008295
Filing Date :02/11/2011
(87) International Publication No :WO 2012/060630
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)HAN, SEUNGHEE
2)KIM,JINMIN
3)LEE,HYUNWOO

(57) Abstract :

A radio communication system is disclosed. Disclosed herein are a method for transmitting control information using PUCCH format 3 in a radio communication system, and an apparatus thereof. The method includes detecting one or more Physical Downlink Control Channels(PDCCHs), receiving one or more Physical Downlink Shared Channel (PDSCH) signals corresponding to the one or more PDCCHs and determining a PUCCH resource value PUCCH corresponding to a value of a transmit power control (TPC) field of a PDCCH for a PDSCH signal on a secondary cell (SCell) among a plurality of PUCCH resource values configured by a higher layer for the PUCCH format 3. If a single antenna port transmission mode is configured the PUCCH resource value PUCCH indicated by the TPC field is mapped to one PUCCH resource for a single antenna port and if a multi antenna port transmission mode is configured the PUCCH resource value PUCCH indicated by the TPC field is mapped to a plurality of PUCCH resources for multiple antenna ports.

No. of Pages : 122 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3669/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ORAL VACCINE COMPRISING AN ANTIGEN AND A TOLL-LIKE RECEPTOR AGONIST

(51) International classification :A61K39/145,A61P37/04,A61K9/00
(31) Priority Document No :1009273.2
(32) Priority Date :03/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2011/059167
Filing Date :02/06/2011
(87) International Publication No :WO 2011/151431
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GLAXOSMITHKLINE BIOLOGICALS S.A.
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RIXENSART BELGIUM
(72)Name of Inventor :
1)OUAKED,NADIA
2)PLANTE,MARTIN
3)LAROCQUE,DANIEL
4)MALLET , COREY PATRICK

(57) Abstract :

The present invention provides an immunogenic composition comprising one or more antigens and a Toll like receptor (TLR) agonist in an orally (e.g. sublingually) administered composition.

No. of Pages : 23 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.388/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTRIC MOTOR

(51) International classification :H02K
(31) Priority Document No :201110085588.1
(32) Priority Date :01/04/2011
(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)LI, YUE

2)JIANG, MAO XIONG

3)LIU, BAO TING

4)ZHOU, CHUI YOU

5)GAN, JIN YUN

6)ZHAO, JIAN

7)LI, YONG

8)ZHANG, HONG WEI

(57) Abstract :

An electric motor includes a stator and a rotor installed in the stator. The stator has a laminated stator core and at least two stator windings wound on the stator core. The stator core has at least two stator poles facing the rotor and at least two yokes connecting adjacent stator poles. T stator core is constituted by at least two separate members joined together. The at least two stator poles are only arranged at a single one of the at least two separate members.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.426/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

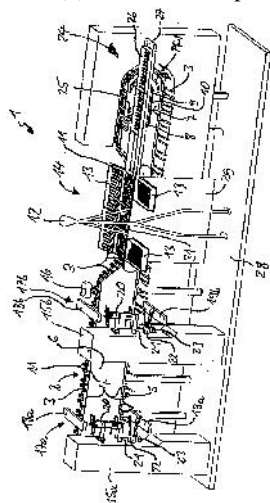
(43) Publication Date : 21/06/2013

(54) Title of the invention : BRUSH MAKING MACHINE

(51) International classification	:D05C	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)ZAHORANSKY AG
(32) Priority Date	016 953.9	Address of Applicant :ANTON-ZAHORANSKY-STR. 1
(33) Name of priority country	:12/04/2011	79674 TODTNAU Germany
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)STEIN, BERND
(87) International Publication No	:NA	2)GERSPACHER, TOBIAS
(61) Patent of Addition to Application Number	:NA	3)SOMMER, GUIDO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A brush making machine (1) having a circulating transporting device (2), having brush-body receptacles (11), for transporting brush bodies (3), is assigned at least one tufting device (15a, 15b) for tufting clusters of bristles into cluster receiving holes in the brush bodies (3) and also at least one post-processing device for processing the clusters of bristles. In this case, a brush-body feed region (14) for an operator (12) to manually introduce the brush bodies (3) into the brush-body receptacles (11) is provided. The tufting device (s) (15a, 15b) are each assigned transfer apparatuses (17a, 17b) for feeding a brush body (3) from the transporting device (2) and back to the latter. In addition, an output device (25) for transferring the ready-tufted and post-processed brush bodies (3) from the transporting device (2) into an output tray (26) is provided.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.442/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SANITIZING ELEMENTS

(51) International classification	:A61L
(31) Priority Document No	:UM 201120175015.3
(32) Priority Date	:20/04/2011
(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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214028 CHINA
(72)**Name of Inventor :**
1)MANCINI, ANGELO
2)GHIDELLI, SERGE R.J.

(57) Abstract :

Sanitizing elements are described which are able to exert a reduction or at least containment function on the bacterial flora in a fluid, particularly water, due to the fact that said elements consist of balls including a support substrate of an inert material and one or more layers of Antibacterial Metal Complexes deposited at least on the outer surface of said substrate. Said balls are immersed inside a water supply or water flow with which it is able to react and at least exert their bactericidal function.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3728/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR RECTIFICATION OF ROVING

(51) International classification	:D04B9/14,B65H63/06	(71) Name of Applicant :
(31) Priority Document No	:10 2010 022 339.5	1)ROTORCRAFT AG
(32) Priority Date	:01/06/2010	Address of Applicant :BAFFLESSTRASSE 14, CH-9450
(33) Name of priority country	:Germany	ALTSTÄTTEN, SWITZERLAND
(86) International Application No	:PCT/EP2011/002392	(72) Name of Inventor :
Filing Date	:13/05/2011	1)STAHLECKER, HANS
(87) International Publication No	:WO 2011/151013	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rewinding device (100) is proposed for rewinding roving (T) which is subsequently drawn to a desired yarn fineness and is knitted on a knitting machine, which rewinding device (100) is characterized in that the rewinding device (100) is designed for performing automated decontamination of the roving (T) during the rewinding, and a method for the automated decontamination of roving (T) which can be carried out on a rewinding device (100) of this type.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3729/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SUSTAINED-RELEASE FORMULATION

(51) International classification :A61K38/08,A61K47/34,A61P35/00
(31) Priority Document No :2010-144792
(32) Priority Date :25/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064992
Filing Date :23/06/2011
(87) International Publication No :WO 2011/162413
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)TAKEDA PHARMACEUTICAL COMPANY LIMITED
Address of Applicant :1-1, DOSHOMACHI 4-CHOME, CHUO-KU, OSAKA-SHI, OSAKA 541-0045, JAPAN
(72)**Name of Inventor :**
1)FUTO, TOMOMICHI
2)TAIRA, HIKARU
3)MIZUKAMI, SEITARO
4)MURATA, NAOYUKI

(57) Abstract :

The present invention relates to a sustained release formulation comprising a metastin derivative and a lactic polymer having a weight average molecular weight of about 5,000 to about 40,000 or a salt thereof. The sustained release formulation of the present invention slowly and stably releases compound (I) or a salt thereof over a long period of time and exerts medicinal effects of compound (I) or a salt thereof over a long period of time. Furthermore, the sustained release formulation of the present invention which improves patient's convenience by reducing frequency of administration, is an excellent formulation as a clinical medicine.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3905/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/12/2012

(43) Publication Date : 21/06/2013

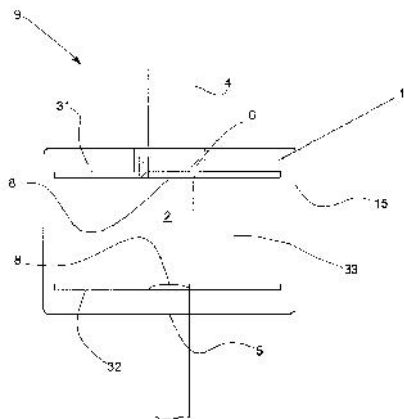
(54) Title of the invention : AN ELECTRICAL ISOLATOR

(51) International classification :H01H33/662
(31) Priority Document No :2010903024
(32) Priority Date :07/07/2010
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2011/000803
Filing Date :29/06/2011
(87) International Publication No :WO 2012/003527
(61) 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 LTD.
Address of Applicant :885 Mountain Highway, 3153
Bayswater, Victoria Australia
(72)**Name of Inventor :**
1)Brett WATSON

(57) Abstract :

An electrical isolator which includes a body defining an aperture therethrough, a first electrical contact arranged at a first end of the aperture, a second electrical contact movably arranged at a second end of the aperture, said second contact configured to be operatively movable through the aperture to electrically connect to, or disconnect from, the first contact and at least two concave electrical field control screens fixed to the body at respective ends of, and about, the aperture such that the screens lie transverse to the aperture and an open-end of each concave screen is directed towards the other.



No. of Pages : 40 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.391/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 21/06/2013

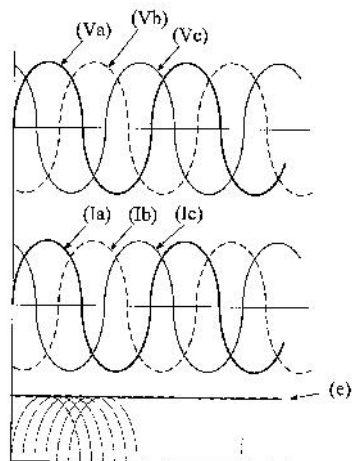
(54) Title of the invention : SOLID-STATE LIGHT EMITTING DEVICE HAVING CONTROLLABLE MULTIPHASE REACTIVE POWER

(51) International classification :H01L
(31) Priority Document No :13/080,782
(32) Priority Date :06/04/2011
(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 :
1)TAI-HER YANG

(57) Abstract :

The present invention utilizes a three-phase or multiphase AC power source, and the electric power of each phase respectively drives its corresponding solid-state light emitting member, and the solid-state light emitting members respectively driven by each phase power are arranged adjacently or arranged with an overlapping means, so that the light of the individual solid-state light emitting members respectively driven by the multiphase power source and arranged adjacently or arranged with an overlapping means can reduce the brightness pulse through synthetic illumination; and through being controlled by a solid-state switch device for controlling AC conductivity phase angle (1000) installed on the power source of each phase, when the illumination brightness of corresponding solid-state light emitting member is lower than that of other solid-state light emitting members arranged adjacently or arranged with an overlapping means, the power source is cut for saving energy.



No. of Pages : 45 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.445/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ANTIBACTERIAL MEANS FOR STORAGE TANK

(51) International classification	:B43K
(31) Priority Document No	:201110141595.9
(32) Priority Date	:20/04/2011
(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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214028, CHINA
(72)**Name of Inventor :**
1)MANCINI, ANGELO
2)GHIDELLI, SERGE R.J.

(57) Abstract :

A cartridge (2) is described which is able to contain diffusing elements for the treatment and/or modification of one or more characteristics of a water supply. The cartridge (2) is inserted inside a storage tank (1) containing said water supply and is secured by fastening means (23.a, 61, 63; 23.a, 51; 23.b, 61, 62; 23.b, 51, 62; 22, 71) to one or more components (5; 6; 7; 16) inside said storage tank (1). On the walls of the cartridge (2) apertures (21) are envisaged having dimensions so as to retain said diffusing elements inside the cartridge and, at the same time, so as to permit their direct interaction with the water that submerges and circulates around it.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.392/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROCKER CARRIER HAVING AT LEAST ONE OPERATING ROCKER OF A DOOR STATION OR RESIDENCE STATION OF A HOME COMMUNICATION SYSTEM

(51) International classification

:H01H

(31) Priority Document No

:10 2011

016 220.8

(32) Priority Date

:06/04/2011

(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

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MANNHEIM Germany

(72)Name of Inventor :

1)HANS-PETER SAHLMANN

2)MANFRED EWERS

(57) Abstract :

The invention proposes a rocker carrier (20) having at least one operating rocker (1) of a door station or residence station of a home communication system, having a linear guide between at least one guide dome (4, 5) of the operating rocker (1) and at least one linear guide (27, 28) of the rocker carrier (20), having a guided wire bow (13) which is formed from a torsion bar (14), transverse bars (15, 16) bent at right angles thereto on both sides and shaft journals (17, 18) bent at right angles thereto, the torsion bar (14) being mounted in at least one swivel joint (10, 11) arranged on the rear side of the operating rocker (1), and the shaft journals (17, 18) being guided in sliding bearings (21, 22) arranged on the rocker carrier (20).

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.431/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BUILDING COMMUNICATION SYSTEM HAVING AT LEAST ONE DOOR STATION AND AT LEAST ONE APARTMENT STATION

(51) International classification

:G06F

(31) Priority Document No

:10 2011

017 366.8

(32) Priority Date

:16/04/2011

(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)ABB AG

Address of Applicant :KALLSTADTER STR.1, 68309

MANNHEIM Germany

(72)Name of Inventor :

1)OLAF BIGALKE

2)JÖRG PLATTE

3)CHRISTIAN KRUPPA

4)PETER SCHRAMM

(57) Abstract :

A building communication system is proposed having at least one door station (1) and at least one apartment station (8, 16), with these stations (1,8, 16) being connected to one another via a bus (24) and with each station (1, 8, 16) having a processing/control unit (2, 9, 17). It is important in that a memory (10, 18) and a timer (11, 19) are connected to the processing/control unit (9, 17) of the at least one apartment station (8, 16), in that different operating modes can be predetermined in a controlled manner by means of the timer (11, 19) by means of time details and/or data relating to the current day of the week, and can be implemented via the processing/control unit (9, 17), with these different operating modes defining when a received bell signal (KL) should be passed on to a doorbell/tone generator (14, 22) and when it should not, in that at least one door station information item which can be notified at the door station (1) can be stored by means of the memory (10, 18), and in that, when a bell signal (KL) is received during the appearance of an operating mode with a bell signal (KL) which should not be passed on, the processing/control unit (9, 17) of the apartment station passes on a stored door station information item to the door station (1) by means of a door station information signal (IT).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.447/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :20/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : REINFORCING STRUCTURE OF BACKDOOR OPENING SHOULDER PORTION OF VEHICLE

(51) International classification	:B65D	(71)Name of Applicant :
(31) Priority Document No	:2011-098261	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:26/04/2011	Address of Applicant :300,TAKATSUKA-CHO, MINAMI-KU,HAMAMATSU-SHI, SHIZUOKA-KEN,JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MASAHARU HOSHINO
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 is a reinforcing structure of a backdoor opening shoulder portion 2 of a vehicle constituted of a vehicle body, wherein a shoulder portion reinforcement 15 which reinforces the backdoor opening shoulder portion 2 is provided under the roof panel 6 located at the backdoor opening shoulder portion 2, and the shoulder portion reinforcement 15 is joined to a vertical wall portion 6a of the roof panel 6 at two points Wb and Wc with a space interposed in a vehicle width direction therebetween, and the shoulder portion reinforcement 15 is joined to a side body outer extension panel 9 at a junction point Wb on an outer side in the vehicle width direction out of the two points, while the shoulder portion reinforcement 15 is joined to a backdoor hinge reinforcement 10, inside the vehicle body.

No. of Pages : 27 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.463/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/04/2012

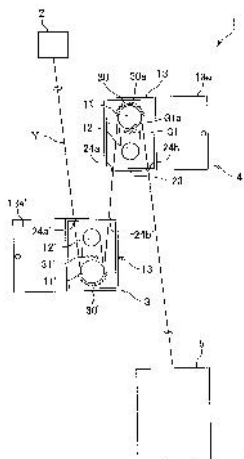
(43) Publication Date : 21/06/2013

(54) Title of the invention : YARN HEATER

(51) International classification	:D02J	(71)Name of Applicant :
(31) Priority Document No	:2011-098122	1)TMT MACHINERY, INC.
(32) Priority Date	:26/04/2011	Address of Applicant :6TH FL., OSAKA GREEN BLDG.,
(33) Name of priority country	:Japan	2-6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ISHIMARU, NORIKI
(87) International Publication No	: NA	2)IWAKI, TAKAYUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A yarn is sufficiently heated on account of improved efficiency in heating the yarn. A roller unit 4 has a godet roller 11 and a separate roller 12 in a thermal insulation box 13. In the thermal insulation box 13, yarns Y are wound plural times onto the godet roller 11 and the separate roller 12 without overlapping one another, and are heated by the godet roller 11. The roller unit 4 further includes a corrugated plate 30 which opposes the outer circumference of the godet roller 11 on which the yarns Y are wound, with a gap being formed therebetween. On the opposing surface of the corrugated plate 30 which surface opposes the godet roller 11 is formed a plurality of spaces defined by concave portions that are provided along the circumferential directions of the godet roller 11.



No. of Pages : 50 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3767/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ASSESSING AND ADAPTING COMPONENT PARAMETERS

(51) International classification :G06F9/44,G06F17/30
(31) Priority Document No :12/826,479
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/054624
Filing Date :29/10/2010
(87) International Publication No :WO 2012/002980
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INTUIT INC.

Address of Applicant :2700 Coast Avenue, Mountain View, California 94043 U.S.A.

(72)Name of Inventor :

1)ZIAS, Jeff A.

2)TERRILL, Peter C.

3)JACOBS, Judd C.

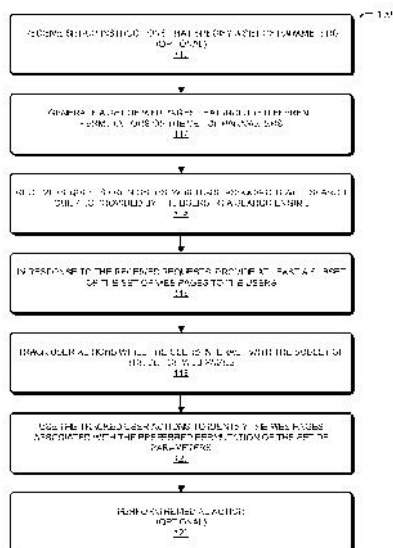
4)WELLS III, Joseph W.

5)TRAN, Brian A.

6)MOLOTSI, Hugh N.

(57) Abstract :

A parameter-selection technique that allows preferred permutations to be rapidly identified based on real world user behavior is described. In particular, a set of web pages that include different permutations of the set of parameters are generated. Then, at least a subset of these web pages is provided to the users in response to their requests. For example, the requests may be associated with user selections of search results, which are associated with search queries provided by the users to a search engine. While the users interact with the subset of the set of web pages, their actions and the associated context (with respect to the different permutations) are tracked. Next the tracked user actions are used to identify the web pages associated with the preferred permutations of the set of parameters.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3768/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

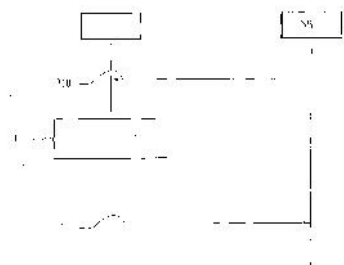
(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L1/18,H04L27/26,H04B7/26
(31) Priority Document No :61/405,624
(32) Priority Date :21/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/007899
Filing Date :21/10/2011
(87) International Publication No :WO 2012/053863
(61) 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.
Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721 REPUBLIC OF KOREA
(72)Name of Inventor :
1)HAN, Seunghee
2)KIM, Dongcheol
3)MOON, Sungho
4)CHO, Hangyu
5)KIM, Jinmin
6)LEE, Hyunwoo
7)CHUNG, Jaehoon

(57) Abstract :

A wireless communication system is disclosed. Disclosed herein are methods for transmitting a physical uplink control channel (PUCCH) signal in a wireless communication system which includes setting transmit power for the PUCCH signal, and an apparatus thereof. If the PUCCH signal is transmitted on a subframe configured for a scheduling request (SR), the PUCCH signal includes one or more hybrid automatic repeat request acknowledgement (HARQ-ACK) bits and an SR bit. When determining the transmit power for the PUCCH, the SR bit is selectively considered depending on whether or not a transport block for an uplink shared channel (UL SCH) is present in the subframe.



No. of Pages : 112 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3769/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BUILDING DRUM WITH LOCKING DEVICE

(51) International classification :B29D30/24,B29D30/26
(31) Priority Document No :2006181
(32) Priority Date :11/02/2011
(33) Name of priority country :Netherlands
(86) International Application No :PCT/NL2012/050072
Filing Date :10/02/2012
(87) International Publication No :WO 2012/108770
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)VMI HOLLAND B.V.

Address of Applicant :Gelriaweg 16, NL-8161 RK Epe The
NETHERLANDS

(72)Name of Inventor :

1)DE GRAAF, Martin

(57) Abstract :

The invention provides a building drum for building an unvulcanized tyre or air spring using rubber components. The building drum comprises a central shaft (2) and a casing (3 4) that can be slid onto the shaft. The casing is detachably attached to the shaft via a coupling pin (20 21) that can be moved to a coupled position for mutually coupling the shaft and the casing and into an uncoupled position in which the casing can be removed from the central shaft. The casing further comprises a locking device (23) with a locking pin (28), wherein the locking pin is adapted for, in the coupled position of the coupling pin, engaging thereon for substantially blocking a movement of the coupling pin. The locking device comprises a locking member (30) that in a condition in which the locking pin does not engage onto the coupling pin, is placed such that it prevents a connection of lines (12 13) to the casing and/or provides an indication of the casing being mounted incorrectly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3770/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : 1-(2-FLUOROBIPHENYL-4-YL)-CYCLOPROPANECARBOXYLIC ACID DERIVATIVES FOR THE THERAPY OF PRION DISEASES

(51) International classification	:A61K31/192,A61P31/00	(71)Name of Applicant :
(31) Priority Document No	:10164967.1	1)CHIESI FARMACEUTICI S.P.A.
(32) Priority Date	:04/06/2010	Address of Applicant :Via Palermo, 26/A, I-43100 Parma
(33) Name of priority country	:EPO	ITALY
(86) International Application No	:PCT/EP2011/058956	(72)Name of Inventor :
Filing Date	:31/05/2011	1)IMBIMBO, Bruno, Pietro
(87) International Publication No	:WO 2011/151330	2)VILLETTI, Gino
(61) Patent of Addition to Application	:NA	3)POLI, Giorgio
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number:	NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the therapeutic use of derivatives of 1 (2 fluorobiphenyl 4 yl) cyclopropanecarboxylic acid for the prevention and/or treatment of prion diseases in animals and humans.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.468/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : NONCONJUGATED CONDUCTIVE POLYMERS FOR PROTECTION AGAINST NUCLEAR RADIATION INCLUDING RADIOACTIVE IODINE

(51) International classification	:C08C	(71)Name of Applicant :
(31) Priority Document No	:13/179876	1)MRINAL THAKUR
(32) Priority Date	:11/07/2011	Address of Applicant :971 LAW DRIVE, AUBURN, AL
(33) Name of priority country	:U.S.A.	36830-2883, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MRINAL THAKUR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Nonconjugated conductive polymers absorb radioactive iodine, therefore are useful for protection against nuclear radiation. These polymers have at least one double bond per repeat unit. The ratio of the number of double bonds to the total number of bonds along the polymer chain is less than half. Examples of nonconjugated conductive polymers include: cis-1,4-polyisoprene (natural rubber), trans-1,4-polyisoprene (gutta percha), polybutadiene, polydimethyl butadiene, poly(b-pinene), styrene butadiene rubber (SBR), polyalloocimene, polynorbornene and many others. Through interaction with iodine atoms the double bonds in the nonconjugated polymers transform into radical cations leading to a dark color. The iodine atoms remain (immobile) bound to the polymer chain through the charge-transfer interaction, these polymers are very inexpensive and can be easily processed into any shape, structure and size. Therefore, these are useful for protection against nuclear radiation including radioactive iodine. These polymers when used as a thick cover can provide safe storage of nuclear waste materials including spent fuel rods.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4002/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : OPTICAL SWITCH ELEMENT COMPRISING A LIQUID-CRYSTALLINE MEDIUM

(51) International classification :C09K19/30,C09K19/32,C09K19/34
(31) Priority Document No :10005251.3
(32) Priority Date :19/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/002219
Filing Date :04/05/2011
(87) International Publication No :WO 2011/144299
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MERCK PATENT GMBH
Address of Applicant :Frankfurter Strasse 250, 64293
Darmstadt, Germany
(72)**Name of Inventor :**
1)JUNGE, Michael

(57) Abstract :

The present invention relates to an optical switch element, comprising a liquid-crystalline medium for the temperature-dependent regulation of radiant energy flow. The invention furthermore relates to the use of the optical switch element for the regulation of radiant energy flow between interior spaces and the environment and for the regulation of the temperature of interior spaces. The invention furthermore relates to a liquid crystalline medium, characterised in that it comprises 5-95% of a compound of the formula (I), in particular for use in the optical switch elements according to the invention.

No. of Pages : 106 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4004/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : EXHAUST GAS DIFFUSER FOR A GAS TURBINE AND A METHOD FOR OPERATING A GAS TURBINE THAT COMPRISES SUCH AN EXHAUST GAS DIFFUSER

(51) International classification :F01D9/02,F01D17/14,F01D25/30
(31) Priority Document No :EP10007333
(32) Priority Date :15/07/2010
(33) Name of priority country:EPO
(86) International Application No :PCT/EP2011/061944
Filing Date :13/07/2011
(87) International Publication No :WO 2012/007499
(61) 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)BRÖKER, Marc
2)BUCHAL, Tobias

(57) Abstract :

The invention relates to an exhaust gas diffuser (20) for a gas turbine (1) having an annular outer wall (28) for guiding the diffuser flow (30) and in which an annular guiding element (32), arranged concentrically to said outer wall (28), is provided to influence the diffuser flow (30). In order to improve the aerodynamic effect of the exhaust gas diffuser (20) and to adapt this simultaneously and in an optimal manner for a plurality of operational gas turbine states it is suggested that the guiding element (32) has a surface (34) which is radially directed inwards and which has a circumferential contour that is convex in the longitudinal section so as to form a displacement element, and that the guiding element (32) is axially displaceable between two positions such that said guiding element (32), when in a first position, allows a flow between the guiding element (32) and outer wall (28) and, when in a second position largely prohibits a flow between the guiding element (32) and outer wall (28). In addition the invention discloses a method for operating a gas turbine (1) in which, in order to reduce aerodynamic losses and to increase pressure recovery, the guiding element (32) is displaced in the direction of the second position or until in said second position as the mass flow increases and/or the guiding element (32) is displaced in the direction of the first position or until in said first position as the mass flow reduces.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4005/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

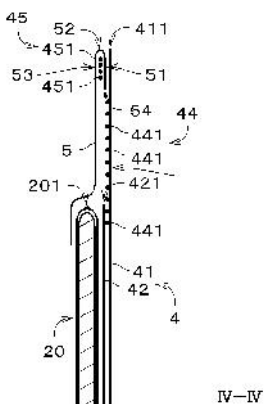
(54) Title of the invention : DISPOSABLE DIAPER

(51) International classification :A61F13/15
(31) Priority Document No :2010-159410
(32) Priority Date :14/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/003964
Filing Date :11/07/2011
(87) International Publication No :WO 2012/008140
(61) 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)NAKAOKA, Kenji
2)TAKAHASHI, Yuki

(57) Abstract :

A disposable diaper has an absorbent body an outer covering sheet and two end holding sheets and both end portions of the absorbent body are fixed between the end holding sheets and the outer covering sheet. Since a turndown portion of an upper end portion of the end holding sheet is bonded on an upper end portion of a first covering sheet, a waist covering portion has structure where the first covering sheet is laminated on the two layered end holding sheet. Therefore, a thickness of the outer covering sheet can be reduced, while maintaining strength of the waist covering portion by appropriately selecting material of the end holding sheet thereby to easily improve softness of the disposable diaper. Since an upper end of a second covering sheet is positioned below the turndown portion, softness and breathability in an area between the turndown portion and the second covering sheet is increased.



No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4006/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR FASTENING AN ITEM TO AN OBJECT SURFACE MADE OF A POROUS OR FIBROUS MATERIAL

(51) International classification :G06K19/077
(31) Priority Document No :1086/10
(32) Priority Date :05/07/2010
(33) Name of priority country :Switzerland
(86) International Application No :PCT/CH2011/000157
Filing Date :04/07/2011
(87) International Publication No :WO 2012/003595
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WOODWELDING AG
Address of Applicant :Bundesstrasse 3, CH-6304 Zug
SWITZERLAND
(72)**Name of Inventor :**
1)AESCHLIMANN, Marcel
2)LEHMANN, Mario
3)TORRIANI, Laurent

(57) Abstract :

According to the invention, items are fastened to object surfaces made of a porous or fibrous material, in particular made of wood or a wood like material, with the aid of a thermoplastic fastening film. For this purpose, the item which is separate from the fastening film or integrated into said fastening film, is positioned on the object surface and, with the aid of a vibrating fastening tool,(1) having a distally arranged, for example closed perimetric profile element (2), which is positioned on the fastening film, is anchored along a perimeter in the object surface and optionally also punched out. The fastening is suitable in particular for fastening identification carriers to wooden objects such as pallets or tree trunks, wherein the identification carriers are equipped for example, with an antenna and an RFID chip or with a barcode.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3949/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : REGULATION OF INDUCIBLE PROMOTERS

(51) International classification :C12N15/63,C12N15/75	(71)Name of Applicant :
(31) Priority Document No :10171252.9	1)LONZA AG
(32) Priority Date :29/07/2010	Address of Applicant :Lonzastra e, 3930 Visp,
(33) Name of priority country :EPO	SWITZERLAND
(86) International Application No :PCT/EP2011/062921	(72)Name of Inventor :
Filing Date :27/07/2011	1)WENZEL, Marian
(87) International Publication No :WO 2012/013710	2)ALTENBUCHNER, Josef
(61) Patent of Addition to Application Number :NA	3)KIZIAK, Christoph
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The present invention relates to the production of heterologous polypeptides in a recombinant bacterial host cell, wherein the bacterial host cell is rendered unable to deactivate the promoter controlling the expression of the heterologous polypeptide in the absence of an inducer.

No. of Pages : 77 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.395/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR SPECIFYING A VALUE FOR A MOTOR VEHICLE

(51) International classification	:B60C
(31) Priority Document No	:DE102011016640.8
(32) Priority Date	:09/04/2011
(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)GM GLOBAL TECHNOLOGY OPERATIONS LLC

Address of Applicant :300 GM RENAISSANCE CENTER,
DETROIT,MICHIGAN 48265-3000, U.S.A.

(72)**Name of Inventor :**

1)CHRISTOPH FERBER

2)DIRK BALZER

3)BRUNO PRAUNSMÄNDEL

(57) Abstract :

The present invention concerns a device for specifying a pre-set value, in particular a tire- pressure set value, for a motor vehicle, whereby the device has: a display device (10) for displaying an input value; an input device for changing and/or selecting, if necessary changed, input value; and a default means for specifying the pre-set value on the basis of the selected input value, whereby the display device (10) is set up for optional analog displays of the input value and a motor vehicle condition-specific value, in particular an engine rpm and/or a vehicle speed and/or for carrying out a method with the following steps: specifying and preferable displays of an input value (S10); preferably, if necessary, changing the input value (S20); selecting, if necessary, the changed, input value; and specifying the tire-pressure set value on the basis of the selected input value.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3955/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : LARYNGOSCOPES, LARYNGOSCOPE ARMS AND METHODS OF MANUFACTURE

(51) International classification :A61B1/267

(31) Priority Document No :1008021.6

(32) Priority Date :13/05/2010

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

(86) International Application No :PCT/GB2011/050922

Filing Date :13/05/2011

(87) International Publication No :WO 2011/141749

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)AIRCRAFT MEDICAL LIMITED

Address of Applicant :9-10 St. Andrew Square Edinburgh
EH2 2AF U.K.

(72)Name of Inventor :

1)MCGRATH, Matthew John Ross

2)INGLIS, Peter Douglas Colin

(57) Abstract :

A video laryngoscope has an arm comprising a video camera, at least one electrical conductor extending to the video camera, an elongate electrical conductor retaining member retaining the electrical conductor and an overmoulding extending around the elongate cable retaining member and having a smooth outer surface. Providing a laryngoscope arm overmoulded to provide a smooth outer surface has the benefit of allowing the laryngoscope arm to be readily cleaned or sterilised, and minimises the number of features, such as seams or joints, where dirt or infectious bodies may be retained.

No. of Pages : 25 No. of Claims : 29

(54) Title of the invention : VEHICLE DOOR STRUCTURE

(51) International classification :B60J5/00,E05B17/00,E05B65/20
 (31) Priority Document No :2010-130853
 (32) Priority Date :08/06/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/062925
 Filing Date :06/06/2011
 (87) International Publication No :WO 2011/155438
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

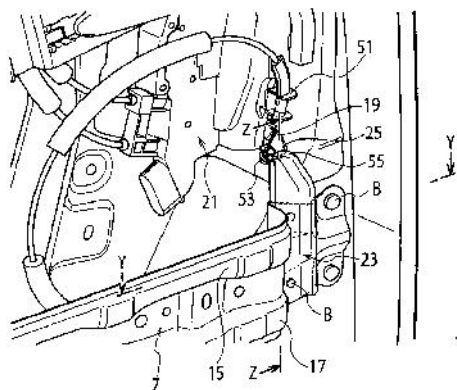
1)NISSAN MOTOR CO., LTD.Address of Applicant :2, Takara-cho, Kanagawa-ku
Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor :

1)Ryohei MORIYA**2)Takanori YAGI****3)Masatsugu MORI**

(57) Abstract :

A vehicle door structure wherein a vehicle width direction wall section (29) extending in the vehicle width direction and a front-rear direction wall section (33) extending in the front-rear direction of the vehicle from the inside edge (31) in the width direction of the vehicle of the vehicle width direction wall section (29) are formed on a stiffener (7) installed on the inside of a front door (1), the front-rear direction wall section (33) also being provided with a locking member (23) in a location that faces a lock lever (25).



No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.48/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : DAMPING UNIT FOR DISCONTINUOUSLY DAMPING A ROTATIONAL MOTION

(51) International classification :E05F5/02,E05F3/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/DE2010/075065
Filing Date :23/07/2010
(87) International Publication No :WO 2012/010111
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KABA GALLEN SCHÜTZ GMBH
Address of Applicant :Nikolaus-Otto-Strasse 1, 77815 Bühl,
Germany
(72)**Name of Inventor :**
1)EICHNER, Harald

(57) Abstract :

It is known how to damp the rotation of rotating doors and similar access barriers by means of a discontinuous gear train in that preferably noncircular gears first convert the continuous door rotation into a discontinuous rotation on the output side and said discontinuous rotation is damped by means of a damping element. Known arrangements use gears having identical rolling curves for this purpose, which leads to an overshoot of the rotation and to intermittent damping action. This should be improved by the invention. Said aim is achieved by a damping unit that uses two noncircular gears having different rolling curves, of which one is egg shaped and the other in contrast is shortened and at the same time widened relative to the first. This results in a modified damping profile that enables more uniform motion of the revolving door. This arrangement also enables a motor drive, which can be operated at a constant rotational speed because of the arising sine- or cosine-shaped inverse curve of the gear train and which enables a clean end-position motion of the driven access barrier.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4040/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : HYBRID VEHICLE ACCELERATOR PEDAL DEPRESSING FORCE CONTROL DEVICE

(51) International classification :B60K26/04,B60K6/48,B60K6/54
(31) Priority Document No :2010-118920
(32) Priority Date :25/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060305
Filing Date :27/04/2011
(87) International Publication No :WO 2011/148753
(61) 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)UENO Munetoshi
2)HASHIDA Masahide
3)YOSHINOYA Daisuke

(57) Abstract :

A first accelerator opening degree, which is the accelerator opening degree which switches from an EV mode, which drives only a motor generator (2) and runs a vehicle, to an HEV running mode which drives an engine (1), is set and if the accelerator opening degree becomes so large as to exceed the first accelerator opening degree, the depressing force of an accelerator pedal (32) is increased so as to be greater than a base depressing force. The first accelerator opening degree is set so as to go down as low as the SOC of a battery (9) goes down, and has a set lower limit which is regulated by a second accelerator opening degree based on the accelerator opening degree which is the opening degree in equilibrium with a constant speed on a flat road. Thus, it is possible to depress the accelerator pedal (32) more than the fixed amount, thus ensuring the acceleration performance of the vehicle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4041/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CRYSTALLINE FORM OF BENZYL BENZENE SGLT2 INHIBITOR

(51) International classification :C07H7/04,A61K31/70,A61P3/00
(31) Priority Document No :PCT/CN2010/073865
(32) Priority Date :12/06/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/075554
Filing Date :10/06/2011
(87) International Publication No :WO 2011/153953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71) **Name of Applicant :**
1) THERACOS, INC.
Address of Applicant :225 Cedar Hill Street, Suite 200,
Marlborough, Massachusetts 01752 U.S.A.
(72) **Name of Inventor :**
1) CAI, Mengzhuang
2) LIU, Qian
3) XU, Ge
4) LV, Binhua
5) SEED, Brian
6) ROBERGE, Jacques Y.

(57) Abstract :

Crystalline forms of a compound having an inhibitory effect on sodium-dependent glucose cotransporter SGLT2 are disclosed. Pharmaceutical compositions, methods for preparing the crystalline compound, and methods of using the crystalline compound, independently or in combination with other therapeutic agents for treating diseases and conditions which are affected by SGLT or SGLT2 inhibition are also disclosed.

No. of Pages : 56 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4045/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BIOMASS PRODUCTION

(51) International classification :C12N1/12,A01G33/00,C12M1/00
(31) Priority Document No :12/784,215
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000574
Filing Date :18/05/2011
(87) International Publication No :WO 2011/143749
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)POND BIOFUELS INC.
Address of Applicant :6 Collingsgrove Road, Scarborough,
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(72)**Name of Inventor :**
1)GONZALEZ, Jaime, A.
2)KOLESNIK, Max
3)MARTIN, Steven, C.
4)DIPIETRO, Tony
5)DIPIETRO, Emidio

(57) Abstract :

A process of growing a phototrophic biomass in a reaction zone, including a reaction mixture that is operative for effecting photosynthesis upon exposure to photosynthetically active light radiation, is provided. The reaction mixture includes phototrophic biomass that is operative for growth within the reaction zone. In one aspect, the carbon dioxide supply is modulated in response to detected process parameters. In another aspect, inputs to the reaction zone are modulated based on changes to the carbon dioxide supply. In another aspect, dilution of the carbon dioxide-comprising supply is effected. In another aspect, pressure of the carbon dioxide-comprising supply is increased. In another aspect, water is condensed from the carbon dioxide comprising-supply and recovered for re- use. In another aspect, the produced phototrophic biomass is harvested at a rate which approximates a predetermined growth rate of the phototrophic biomass.

No. of Pages : 157 No. of Claims : 142

(12) PATENT APPLICATION PUBLICATION

(21) Application No.488/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VEHICLE UPPER PART REAR END STRUCTURE

(51) International classification	:B60J	(71)Name of Applicant :
(31) Priority Document No	:2011-103951	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:09/05/2011	Address of Applicant :300,TAKATSUKA, MINAMI-KU,HAMAMATSU, SHIZUOKA,432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)KAKIUCHI, HIROYUKI
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 roof exterior member of a hatchback vehicle is reinforced using a simple configuration. A vehicle upper part rear end structure includes a side-body exterior member 108, a side-body extension member 110 connected near the rear end of the side-body exterior member 108, and a roof exterior member 106 connected to the side-body exterior member 108 and the side-body extension member 110. Furthermore, the vehicle upper part rear end structure includes a rear reinforcing member 120 that is connected to the vehicle interior side of the roof exterior member 106 and to the vehicle exterior side of the side-body exterior member 108 and the side-body extension member 110, and that reinforces a region where these members overlap. The roof exterior member 106 has an upper surface 128 extending in a vehicle fore-aft direction, a rear surface 130 bent downward from the rear end of the upper surface 128 and facing the upper edge of a hatchback door, and a covering surface 132 bent rearward from the rear surface 130 and extending along the lower surface of the hatchback door, and the rear reinforcing member 120 is bent along the upper surface 128, the rear surface 130, and the covering surface 132 of the roof exterior member 106 and welded to the respective surfaces.

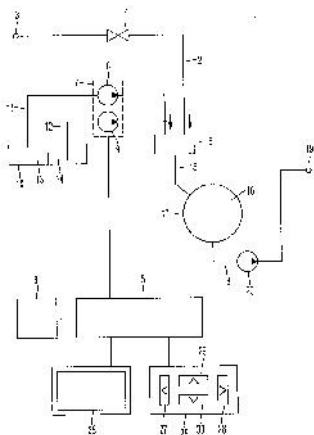
No. of Pages : 19 No. of Claims : 3

(54) Title of the invention : WATER-CONDUCTING DOMESTIC APPLIANCE HAVING A DOSING UNIT AND A PLURALITY OF DOSING PUMPS

<p>(51) International classification :A47L15/00,D06F33/02,D06F39/00</p> <p>(31) Priority Document No :10 2010 028 445.9</p> <p>(32) Priority Date :30/04/2010</p> <p>(33) Name of priority country :Germany</p> <p>(86) International Application No :PCT/EP2011/055176</p> <p>Filing Date :04/04/2011</p> <p>(87) International Publication No :WO 2011/134741</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant : 1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH Address of Applicant :Carl-Wery-Str. 34, 81739 München, Germany</p> <p>(72)Name of Inventor : 1)SCHULZE Ingo 2)WITT Cornelia</p>
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(57) Abstract :

A water conducting domestic appliance (1) especially a laundry treating device for washing laundry comprises a treatment zone (16) a treatment agent container (10) serving to stock treatment agents a metering device (7) having a plurality of metering pumps (8 9) serving to meter the treatment agents for the treatment zone (16) and a control (5) the control (5) having a plurality of treatment programs. A user can select one of these treatment programs. The control (5) controls the metering device (7) depending on the selected treatment program. At least one treatment agent parameter especially a treatment agent type or a treatment agent quantity can be adjusted by the user. The control (5) carries out the selected treatment program depending on the treatment agent parameter.



No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.422/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : THREE-END SHAFT TYPE DIFFERENTIAL GEAR SET WITH CONTROLLABLE ROTATING DIRECTION AND BRAKE

(51) International classification	:F16H
(31) Priority Document No	:13/086,633
(32) Priority Date	:14/04/2011
(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)TAI-HER YANG
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(72)**Name of Inventor :**
1)TAI-HER YANG

(57) Abstract :

The present invention relates to a speed variable system, and in the first input rotating direction, it is capable of controlling the output shaft to output in normal and reverse rotating directions, and the input shaft is in different speed ratios to the output shaft with respect to the normal and reverse rotation directions.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.475/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : WIND POWER GENERATION SYSTEM AND CONTROL METHOD FOR THE SAME

(51) International classification

:F03D

(31) Priority Document No

:2011-

103083

(32) Priority Date

:02/05/2011

(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 TOSHIBA

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(72)Name of Inventor :

1)MOTOFUMI TANAKA

2)HISASHI MATSUDA

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7)YUTAKA ISHIWATA

8)SUSUMU KINOSHITA

9)TAMON OZAKI

10)SUEYOSHI MIZUNO

11)SHINICHI NODA

12)TOSHIKI OSAKO

13)TOSHIMASA YAMADA

(57) Abstract :

A wind power generation system 10 of an embodiment includes a rotor 40 having a hub 41 and blades 42, a nacelle 31 pivotally supporting the rotor 40, a tower 30 supporting the nacelle 31, an airflow generation device 60 provided in a leading edge of each of the blades 42 and having a first electrode 61 and a second electrode 62 which are separated via a dielectric, and a discharge power supply 65 capable of applying a voltage between the electrodes of the airflow generation device 60. Further, the system includes a measurement device detecting information related to at least one of output in the wind power generation system 10, torque in the rotor 40 and a rotation speed of the blades 42, and a control unit 110 controlling the discharge power supply 65 based on an output from the measurement device.

No. of Pages : 81 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.476/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TRANSMISSION WITH REVERSE IDLER GEAR SYNCHRONIZATION SYSTEM

(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:13/160,177	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:14/06/2011	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)RICARDO C. FURQUIM
(87) International Publication No	: NA	2)ARNALDO R. SILVA
(61) Patent of Addition to Application Number	:NA	3)EDGARD L.A. SOUZA JR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multi-speed transmission is disclosed having an input and output shafts supported by a housing, two gear sets each having a drive gear and a driven gear, and at least two shift forks coupled with synchronizers. An idler gear is selectively manipulated by a reverse lever to intermesh with a drive gear and a driven gear of one of the gear sets to create a reverse gear ratio. The reverse lever includes a cam portion that is selectively engageable with one of the shift forks. When the reverse lever is manipulated to move the idler gear to intermesh with the reverse gear set, the cam portion of the reverse lever triggers partial engagement of another gear set in order to synchronize the speed between the input and output shaft so that the idler gear is spinning at a similar speed as the driven gear of the reverse gear set.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.49/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR PRIVATE CLOUD COMPUTING

(51) International classification :G06F15/173
(31) Priority Document No :61/363,092
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043604
Filing Date :11/07/2011
(87) International Publication No :WO 2012/006638
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)STATE STREET CORPORATION
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U.S.A.
(72)**Name of Inventor :**
1)MCCARTHY, Christopher
2)SULLIVAN, Kevin
3)KRISHNAN, Rejith

(57) Abstract :

A system and method are disclosed for private cloud computing and for the development and deployment of cloud applications in the private cloud. The private cloud computing system and method of the present invention include as components at least a cloud controller, a cloud stack, Service Registry, and a cloud application builder.

No. of Pages : 70 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3610/KOLNP/2011 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : CUTTING INSERT WITH RECESSED INSERT SUPPORTING SURFACE AND CUTTING TOOL

(51) International classification	:B23B27/16
(31) Priority Document No	:0900286-6
(32) Priority Date	:06/03/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050226
Filing Date	:26/02/2010
(87) International Publication No	:WO/2010/101514
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SECO TOOLS AB
Address of Applicant :S-737 82 Fagersta Sweden
(72)**Name of Inventor :**
1)JANSSON Mikael

(57) Abstract :

A cutting insert includes a first chip surface, a second surface on an opposite side of the insert from the first chip surface, and a side surface extending between the first chip surface and the second surface, at least part of one first cutting edge being defined by an intersection of the side surface with the first chip surface. The side surface includes at least one recess, the recess including an insert supporting surface for supporting the insert relative to a protruding abutment surface on a toolholder and a flat auxiliary insert supporting surface for supporting the insert relative to a non-protruding, flat abutment surface. A cutting tool is also provided.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.484/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :01/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR USING A SINGLE VECTOR SIGNAL GENERATOR TO VERIFY DEVICE UNDER TEST

(51) International classification	:G01R	(71)Name of Applicant :
(31) Priority Document No	:13/158,870	1)LITEPOINT CORPORATION
(32) Priority Date	:13/06/2011	Address of Applicant :575 MAUDE COURT,
(33) Name of priority country	:U.S.A.	SUNNYVALE, CALIFORNIA 94085, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YELLAPANTULA, RAMAKRISHNA
(87) International Publication No	: NA	2)LI, YINGHUI
(61) Patent of Addition to Application Number	:NA	3)WALVIS, DIRK J.M.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method is disclosed for testing a communication device. In accordance with the described invention, a single vector signal generator (VSG) is utilized to test manufactured 2x2, 3x2 and 4x2 MIMO wireless devices to identify possible manufacturing defects that may impair or disable the device under test (DUT) receivers from properly receiving constituted MIMO TX signals and accurately decoding the bits/symbols conveyed by transmitted TX signals. Disclosed embodiments may include a VSG coupled to a DUT. The VSG being configured to transmit data packets as a first codeword and a second codeword, wherein the VSG includes software and hardware architecture to manipulate the first codeword and the second codeword as emulated first and second waveforms, wherein the first waveform is different than the second waveform. The DUT being configured to receive the emulated first and second waveforms as prescribed signals from the VSG. The prescribed signals including a first received signal and a second received signal, wherein the DUT includes software and hardware architecture to manipulate the first received signal and the second received signal to generate block error rate results therefrom.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.503/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND MOTORCYCLE EQUIPPED WITH THE ENGINE

(51) International classification	:F02M	(71) Name of Applicant :
(31) Priority Document No	:2011-119344	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:27/05/2011	Address of Applicant :2500 SHINGAI,IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA-KEN 438-8501 JAPAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)KAICHI IIDA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An internal combustion engine has an intake valve located above the cylinder axis line. Oil is supplied to the intake valve smoothly even without forming an opening of an oil supply passage at a position directly above the intake valve. An opening (64) connected to a passage (63) of the oil supply passage (50) is formed at a position located within the inner surface of a head cover (16) and higher than the intake valve (41), the position being off a position directly above the intake valve (41). A first rib (81) is provided on the inner surface of the head cover (16). One end of the first rib (81) is located at a side of the opening (64), and the other end thereof is located directly above the intake valve (41).

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.511/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SECURITY APPARATUS FOR MOTOR VEHICLES

(51) International classification	:B60N	(71) Name of Applicant :
(31) Priority Document No	:PUV	1)AMBROZ, PETR
(32) Priority Date	2011-24313	Address of Applicant :MALA STRANKA 318, 594 01
(33) Name of priority country	:10/05/2011	VELKE MEZIRICI, CZECH REPUBLIC
(86) International Application No	:Czech	(72) Name of Inventor :
Filing Date	Republic	1)AMBROZ, PETR
(87) International Publication 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 security apparatus for motor vehicles with a locking segment (5). The locking segment (5) is pivoted on a bracket (1) and coupled by means of a tooth gear with a lock insert (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.52/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR OPERATING A CLOTHES DRYING APPLIANCE AND CLOTHES DRYING APPLIANCE

(51) International classification	:D06F58/28	(71)Name of Applicant :
(31) Priority Document No	:10169428.9	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:13/07/2010	Address of Applicant :Carl-Wery-Str. 34, 81739 MÜNchen,
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2011/060977	(72)Name of Inventor :
Filing Date	:30/06/2011	1)JABLOŃSKI Piotr
(87) International Publication No	:WO 2012/007283	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The method is used for operating a clothes drying appliance (1) to dry clothes (6), wherein a moisture content of the clothes (6) is determined by measuring a current running through the clothes (6) and wherein an AC voltage signal is applied to the clothes (6), (S3). The appliance (1) is adapted to perform such method. The appliance (1) may comprise at least an AC voltage generator (3) generating an AC voltage, at least one electrode (5) being connected to output ports of the AC voltage generator (3), the at least one electrode (5) being coverable by the clothes (6); and a control circuit (2) functionally connected to the at least one electrode (5) for determining a conductance representative of a moisture content of the clothes (6) from a measured AC current between the electrodes (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4079/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 21/06/2013

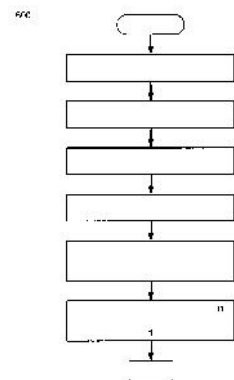
(54) Title of the invention : AUTOMATIC ATTACHMENT OF A CAPTURED IMAGE TO A DOCUMENT BASED ON CONTEXT

(51) International classification :G06T11/60
(31) Priority Document No :12/826,578
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/JP2011/065236
Filing Date :27/06/2011
(87) International Publication No :WO 2012/002551
(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)PIERSOL, KURT W.
2)AMEMIYA, KANAE
3)CHEMISHKIAN, SERGEY

(57) Abstract :

A portable computing device for automatic attachment of a captured image to a document being displayed triggered by the act of capturing the image is disclosed. A new page is added to the current document being reviewed and displayed on the portable computing device, and then the image and metadata are attached in that new page. In other variations, the document includes metadata having a location at which images may be stored and upon capture the image, the captured image is stored at the metadata location.



No. of Pages : 96 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.509/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BLOWBY FLOW CONTROL SYSTEM FOR A TURBOCHARGED ENGINE

(51) International classification	:F01M	(71) Name of Applicant :
(31) Priority Document No	:13/107335	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:13/05/2011	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)THOMAS A. SPIX
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A flow control system is provided having an engine, a turbocharger, and positive crankcase ventilation (PCV) line, and a flow regulating device. The engine has an air-oil separator and an intake manifold. The air-oil separator separates oil droplets and oil mist from a blowby gas. The turbocharger has an air inlet and an air outlet, where the air outlet is connected to the intake manifold of the engine. The positive crankcase ventilation (PCV) vent line has a first end connected to the air-oil separator and a second end connected to the air inlet of the turbocharger. The PCV vent line delivers the blow by gas from the air-oil separator to the air inlet of the turbocharger. The flow regulating device is located in the PCV vent line. The flow regulating device selectively limits the flow of blowby gas from the air-oil separator to the air inlet of the turbocharger.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.517/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MOTOR VEHICLE, IN PARTICULAR PASSENGER CAR AND METHOD FOR THE OPERATION OF MOTOR VEHICLE

(51) International classification	:B60R	(71)Name of Applicant :
(31) Priority Document No	:DE	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	102011102931.5	Address of Applicant :300 GM RENAISSANCE CENTER
(33) Name of priority country	:31/05/2011	DETROIT, MICHIGAN 48265-3000 U.S.A.
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)LOTHAR SEYBOLD
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the case of a motor vehicle, in particular passenger car, with a passenger compartment and an outer body (11) enclosing the passenger compartment, in which at least one opening (14, 17, 20) is provided, through which the passenger compartment is accessible from outside and which has an opening surface, whose size can be adjusted by a locking means (15, 18, 21), which can be driven by an electric drive, a signal generator is provided, by means of which the drive for the locking means (15, 18, 21) can be switched on from open- loop control to the operation in a control loop (22) and vice-versa.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.53/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE AND AN INTERNAL COMBUSTION ENGINE

(51) International classification :F02B33/22,F02B33/30,F02B33/44
(31) Priority Document No :10 2010 032 055.2
(32) Priority Date :23/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/003417
Filing Date :08/07/2011
(87) International Publication No :WO 2012/010265
(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)KREUTER, Peter

(57) Abstract :

The invention relates to an internal combustion engine comprising at least one working cylinder (22) having a working chamber (36) defined by a working piston (18) and having an inlet valve (54) and an outlet valve (50), at least one compressor cylinder (20) with a compressor chamber (34) defined by a compressor piston (16) and having a fresh charge inlet valve (46), a bypass device having at least one bypass chamber (80) defined by a bypass piston (84) and connected to the compressor chamber (34) via a bypass passage (92), in which a bypass valve (106) is arranged, and wherein said bypass chamber is connected, directly or indirectly, to the working chamber (36) via an expulsion passage (96), in which the inlet valve (54) is arranged. The movement of the pistons (16, 18, 84) and the operation of the valves (46, 106, 54) are coordinated with one another in such a way that fresh charge compressed in the compressor chamber (34) is expelled into the bypass chamber (80) and is exhausted from the bypass chamber into the working chamber (36), wherein in the internal combustion engine according to the invention the bypass passage 92 leads through a cooler (100).

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

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ROUTING COMMUNICATIONS

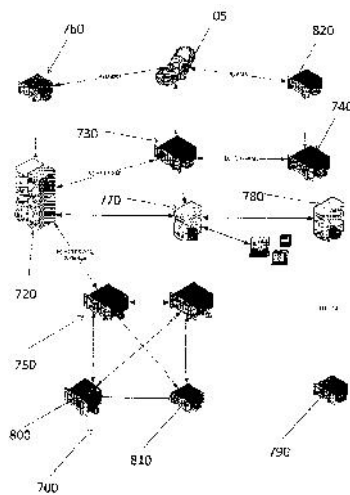
(51) International classification	:H04L12/16,H04L12/14,H04L12/58
(31) Priority Document No	:61/357,825
(32) Priority Date	:23/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2011/050379
Filing Date	:22/06/2011
(87) International Publication No	:WO 2011/160231
(61) 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)PERLIN, George
2)IOULICH, Alexandre

(57) Abstract :

A method for routing communications includes intercepting a request for communications service from a communications device, routing the intercepted request for service to an application server; and, executing the communications service being requested based on instructions from the application server.



No. of Pages : 32 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.393/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROCKER CARRIER HAVING AT LEAST ONE OPERATING ROCKER OF A DOOR STATION OR RESIDENCE

(51) International classification	:H01H
(31) Priority Document No	:102011016219.4
(32) Priority Date	:06/04/2011
(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

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(72)**Name of Inventor :**
1)HANS-PETER SAHLMANN
2)MANFRED EWERS

(57) Abstract :

The invention proposes a rocker carrier having at least one operating rocker (1) of a door station or residence station of a home communication system, having a linear guide between at least one guide dome (2, 3) of the operating rocker (1) and at least one linear guide (14, 15) of the rocker carrier, having a base plate (20, 30) which is fitted with a microswitch (21, 31) for each operating rocker (1), and having a switching mat (25) which is used as a link between the operating rocker (1) and the microswitch (21, 31), is made of an elastomer and includes the switching operation of the microswitch (21, 31).

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.504/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : REGENERATIVE CHAMBER FOR A GLASS MELTING FURNACE

(51) International classification :F27B
(31) Priority Document No :102011075619.1
(32) Priority Date :10/05/2011
(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

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(72)**Name of Inventor :**
1)ALEXANDER SORG
2)MATTHIAS LINDIG

(57) Abstract :

The invention thus relates to a regenerative chamber 3 for a glass melting furnace 1 having a defined cross-section D. A flow barrier 30 is inserted into the regenerative chamber 2 from the outside by which it is possible to achieve a reduction of the cross-section of the regenerative chamber 2. The flow barrier 30 consists of several segments 31. These segments 31 can be, for example plate or bar elements that are disposed above the slotted arches 29, 29, 29, 29.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.537/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :14/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR PRODUCING AN UNDERWATER FOUNDATION ELEMENT, ADJUSTMENT HEAD FOR AN UNDERWATER FOUNDATION ELEMENT AND UNDERWATER WORKING ARRANGEMENT

(51) International classification	:E02D
(31) Priority Document No	:11004784.2
(32) Priority Date	:10/06/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)PAULUS, SIMON
2)SCHWANZ, CHRISTOPH
3)WIEDENMANN, ULLI

(57) Abstract :

The invention relates to a method for producing an underwater foundation element in a bed of a body of water, in which a working platform for guiding a drilling tool is lowered to the bed of a body of water, with the drilling tool a drill-hole is introduced into the bed of a body of water and a pile-shaped underwater foundation element is arranged in the drill-hole and anchored therein. A precise alignment is achieved in that on the pile-shaped underwater foundation element a measuring unit is fixed, through which positional data of the pile-shaped underwater foundation element are determined and in that depending on the determined positional data the position of the underwater foundation element is set by means of at least one positioning means on the working platform prior to anchoring. In accordance with the invention the measuring unit is arranged on an adjustment head.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.557/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR PROVIDING 3D CONTENT

(51) International classification	:B44D	(71) Name of Applicant :
(31) Priority Document No	:10-2011-0047091	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:19/05/2011	Address of Applicant :129, SAMSUNG-RO,
(33) Name of priority country	:Republic of Korea	YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742
(86) International Application No	:NA	REPUBLIC OF KOREA
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)ROH, JOUNG-HO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus and method for providing three-dimensional (3D) contents are provided. The 3D content providing method executed by a 3D content providing apparatus includes: acquiring first 3D contents and second 3D contents generated by two-dimensional (2D) to 3D conversion; transmitting product information of the first 3D contents and the second 3D contents to a user terminal; receiving a content offer request from the user terminal; and sending the user terminal 3D contents selected between the first 3D contents and the second 3D contents in response to the content offer request, the first 3D contents and the second 3D contents being generated by different combination proportions of a manual process and an automatic process for the 2D to 3D conversion.

No. of Pages : 74 No. of Claims : 15

(54) Title of the invention : IMIDAZOPYRIDINE DERIVATIVES, PROCESS FOR THE PREPARATION THEREOF AND THERAPEUTIC USE THEREOF

(51) International classification :C07D471/04,A61K31/437,A61P35/00
 (31) Priority Document No :1055475
 (32) Priority Date :06/07/2010
 (33) Name of priority country :France
 (86) International Application No :PCT/IB2011/052954
 Filing Date :04/07/2011
 (87) International Publication No :WO 2012/004732
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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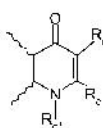
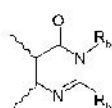
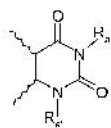
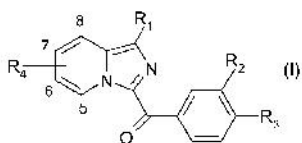
2)KIRSCH, Reinhard

3)HERBERT, Corentin

4)LASSALE, Gilbert

(57) Abstract :

The invention relates to compounds corresponding to formula (I): R₄ NN R₁ O R₂ R₃ (I) 5 6 7 8 in which - R₂ and R₃ together form, with the carbon atoms of the phenyl nucleus to which they are attached, a 6-membered nitrogenous heterocycle corresponding to one of formula (A), (B) or (C) below: N N O O R_a R_a N N O R_b R_b N O R_c R_c R_c (A)(B)(C) in which the wavy lines represent the phenyl nucleus to which R₂ and R₃ are attached. Preparation process and therapeutic use.



No. of Pages : 115 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4025/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : RESOURCE SERVER ALLOCATION SYSTEM

(51) International classification :G06F15/16
(31) Priority Document No :12/817,095
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040594
Filing Date :15/06/2011
(87) International Publication No :WO 2011/159846
(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)KADAMBI, Jayant
3)LU, Michael

(57) Abstract :

A system for automated resource allocation includes a client computer provided with a network interface, a plurality of resource server systems each provided with a network interface, and an operation server system provided with a network interface. The operation server system can be configured to obtain client parameters from the client computer for a fulfillment campaign, obtain resource parameters from the plurality of resource server systems, obtain operational parameters relevant to the fulfillment campaign, and allocate among the plurality of resource server systems in accordance with at least some of the client parameters, the resource parameters and the operational parameters to implement the fulfillment campaign.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.55/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONFIGURING AN ENERGY AUTOMATION DEVICE

(51) International classification :G05B19/042,H02B15/02	(71) Name of Applicant :
(31) Priority Document No :NA	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date :NA	Address of Applicant :Wittelsbacherplatz 2, 80333
(33) Name of priority country :NA	München Germany
(86) International Application No :PCT/EP2010/060731	(72) Name of Inventor :
Filing Date :23/07/2010	1)JACHMANN, Thomas
(87) International Publication No :WO 2012/010216	2)REICHENBACH, Gunther
(61) Patent of Addition to Application Number :NA	3)SCHUSTER, Norbert
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

In order to provide a method for configuring an energy automation device, by means of which the configuration can be carried out more easily and more quickly and also with comparatively less susceptibility to errors, according to the invention a system circuit diagram of a substation of an electrical power grid is generated by means of a configuration computer (step 10), wherein the system circuit diagram is designed to be displayed by a display device of the configuration computer and comprises component depictions that are graphic representations of the primary devices of the substation, and wherein the system circuit diagram comprises connections between the component depictions that are graphic representations of the electrical links between the primary devices; a selection of a sub-region of the system circuit diagram which is made by a user of the configuration computer is detected (step 12), and the selected sub-region of the circuit diagram is converted into a display configuration file suitable for a display device of the energy automation device (step 13). The invention also relates to a correspondingly designed configuration computer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.56/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : INTERNAL COOLING ARRANGEMENT FOR A TURBOMACHINE

(51) International classification :F01D3/04,F01D11/00,F01D25/14
(31) Priority Document No :10007576.1
(32) Priority Date :21/07/2010
(33) Name of priority country:EPO
(86) International Application No :PCT/EP2011/061952
Filing Date :13/07/2011
(87) International Publication No :WO 2012/022551
(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
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1)HOLDER, Martina
2)ZANDER, Uwe

(57) Abstract :

The invention relates to a cooling arrangement for a steam turbine (1), which cooling arrangement provides in the region of the valve connection (40) a cooling duct (37) which is subjected to a flow of cooling vapour from the flow duct (9), and subsequently the cooling vapour is supplied in the region of the thrust compensating piston (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.57/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD OF CONTROL OF TECHNICAL EQUIPMENT

(51) International classification :G06Q90/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/005048
Filing Date :17/08/2010
(87) International Publication No :WO 2012/022358
(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)FANTANA, Nicolaie, L.
2)GANZ, Christopher

(57) Abstract :

The invention relates to a method and system for control and remote monitoring the condition of a technical equipment or plant all being provided with tags or labels as an electronic identifier characterized in the following steps Step1 : The user identifies the apparatus/machine, while on- site. The unique ID, stored data on the tag and possibly also sensor data are read; Step 2: A mobile device application sends a control request from identified apparatus to the automation system for approval; Step 3: The request and data are analysed by the central automation system for the following features - is control request allowed/authorised that no misoperation is possible, - which functionality is allowed via mobile device, e.g. only view of configuration, values from process, graphs/curves over time, service actions; Step 4: If control is allowed then the commands, related to configuration, action, and the like, requested are sent to the central automation/control system which is controlling/passing the commands, executing commands for the apparatus/machine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3948/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BODY FOR DUMP TRUCK

(51) International classification :B60P1/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/004580
Filing Date :14/07/2010
(87) International Publication No :WO 2012/007994
(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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6)YASUDA Tomohiko

7)SASAKI Takashi

8)NABESHIMA Yoshifumi

9)OOSHIMA Hitomi

(57) Abstract :

[Problem] To realize a body having a light weight and sufficient rigidity and therefore to ease restriction on the authorized payload for a payload section such the authorized payload can be increased and the efficiency of hauling work by a dump truck can be improved. [Solution] A body 5 is provided with sloping plates 14-16 arranged in corner parts of a payload section defined by a bottom wall 7, a front wall 8, and left and right side walls 9; and is also provided with steel ribs 17a-17c arranged in hollow parts 25a 25c between these sloping plates 14-16 and the associated ones of the bottom wall 7, front wall 8 and left and right side walls 9 arranged outside and opposite the sloping plates 17a-17c fixedly secured to the associated walls by welding to reinforce them, and having ridges 17a1-17c1 extending out from surfaces of the sloping plates 14-16. These ridges 17a1-17c1 are fixedly secured to the associated walls by welding.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.507/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PRINTING MECHANISM

(51) International classification	:G07D
(31) Priority Document No	:102011100847.4
(32) Priority Date	:06/05/2011
(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

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(72)**Name of Inventor :**
1)WILFRIED WATSCHKE

(57) Abstract :

A printing mechanism, especially for imprinting of bank notes, with several rotationally driven type wheels (2), wherein each type wheel (2) is coordinated with a detection device, determining the angle position of the type wheel (2), and a control device actuates a servo drive in dependence on control signals and signals of the detection device, by which the type wheel (2) is released or locked in rotation, and wherein a manual moving or a manual adjusting of the type wheels (2) is possible after system-initiated or manual release, is characterized in that each type wheel (2) is coordinated with an optical and/or acoustical display, which shows/signals the matching of a system-dictated angle setting of each type wheel (2) and the actual detectable angle setting of the type wheel (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.569/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONNECTOR HOLDING DEVICE AND CHARGING APPARATUS USING SAME

(51) International classification	:H02J	(71)Name of Applicant :
(31) Priority Document No	:2011-113521	1)PANASONIC CORPORATION
(32) Priority Date	:20/05/2011	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)KELJI KURIBAYASHI
Filing Date	:NA	2)MASAYA YOSHIOKA
(87) International Publication No	: NA	3)SATORU UENO
(61) Patent of Addition to Application Number	:NA	4)NOBORU HASHIMOTO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There are disclosed a connector holding device and a charging apparatus using the same, in which the connector holding device can lock a charging connector while prevent it from being disengaged unintentionally with a relatively simple structure. The connector holding device includes a holding part 1 adapted to hold a charging connector 30 for charging a secondary battery of an electric vehicle, a locking part 2 adapted to be engaged with a latch part 30g of the charging connector 30 to prevent the charging connector 30 from being disconnected, and a restriction part 3 for restricting the latch part 30g to move.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.572/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012

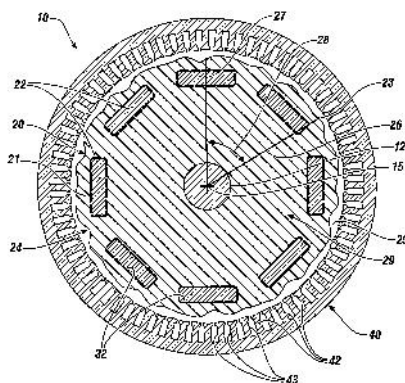
(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTOR FOR A PERMANENT MAGNET ELECTRIC MACHINE

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:13/186183	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:19/07/2011	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)XINYU ZHOU
(87) International Publication No	: NA	2)SINISA JURKOVIC
(61) Patent of Addition to Application Number	:NA	3)QIANG NIU
Filing Date	:NA	4)KHWAJA M. RAHMAN
(62) Divisional to Application Number	:NA	5)XU HAN
Filing Date	:NA	6)JOHN C. MORGANTE

(57) Abstract :

A rotor for a permanent magnet electric machine includes an axis of rotation, an outer surface, and a cross-section orthogonal to the axis of rotation with a non-circular contour of the outer surface defined by a plurality of radii angularly distributed around the axis of rotation.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.60/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : A GAS PRESSURIZED SEPARATION COLUMN AND PROCESS TO GENERATE A HIGH PRESSURE PRODUCT GAS

(51) International classification	:B01D53/14,B01D19/00	(71)Name of Applicant :
(31) Priority Document No	:12/833,906	1)CARBON CAPTURE SCIENTIFIC, LLC.
(32) Priority Date	:09/07/2010	Address of Applicant :2559 Forest Brook Drive, Pittsburgh,
(33) Name of priority country	:U.S.A.	PA 15241, U.S.A.
(86) International Application No	:PCT/US2011/043485	(72)Name of Inventor :
Filing Date	:11/07/2011	1)CHEN, Shiaoguo
(87) International Publication No	:WO 2012/006610	2)PAN, Zijiang
(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 gas pressurized separation system to strip a product gas from a liquid stream and yield a high pressure gaseous effluent containing the product gas. The system comprises a gas pressurized stripping apparatus, such as a column, with at least one first inlet allowing flow of one or more liquid streams in a first direction and at least one second inlet allowing flow of one or more high pressure gas streams in a second direction, to strip the product gas into the high pressure gas stream and yield through at least one outlet a high pressure gaseous effluent containing the product gas; and two or more heat supplying apparatuses provided at different locations along the column. Processes for separating a product gas from a gaseous mixture to yield a high pressure gaseous effluent containing the product gas, utilize the gas pressurized separation system described above.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4037/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POLYPHASE-COMPRESSED-GAS-INSULATED CABLE ENTRY MODULE HAVING AN ENCAPSULATION

(51) International classification	:H02G15/22	(71)Name of Applicant :
(31) Priority Document No	:10 2010 027 423.2	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:14/07/2010	Address of Applicant :Wittelsbacherplatz 2, 80333
(33) Name of priority country	:Germany	München, Germany
(86) International Application No	:PCT/EP2011/061735	(72)Name of Inventor :
Filing Date	:11/07/2011	1)SCHÖPS Jürgen
(87) International Publication No	:WO 2012/007415	2)SONNENBERG Erhard
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A polyphase-compressed-gas-insulated cable entry module has an encapsulation. A plurality of phase conductors (10a, 10b) which are electrically insulated from one another by means of compressed-gas insulation are arranged in the interior of the encapsulation. The phase conductors (10a, 10b) are each electrically conductively contacted by cable connection bushes (8a, 8b). The cable connection bushes (8a, 8b) are inserted into separate tubular connection pieces (7a, 7b) of the encapsulation. The tubular connection pieces (7a, 7b) issue into a common feeder housing (1) of the encapsulation.

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

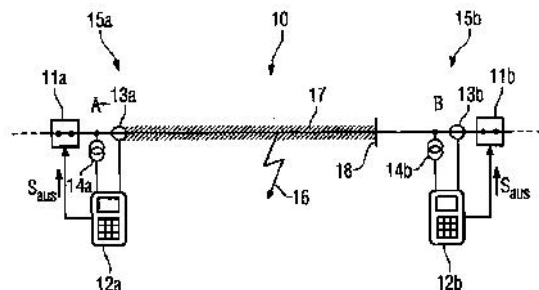
(54) Title of the invention : FAST DISTANCE PROTECTION FOR ENERGY SUPPLY NETWORKS

(51) International classification :G01R31/02,G01R31/08,H02H3/40
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/EP2010/059929
 Filing Date :09/07/2010
 (87) International Publication No :WO 2012/003888
 (61) 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)BLUMSCHEIN Jörg
2)DZIENIS Cezary
3)KEREIT Matthias

(57) Abstract :

The invention relates to a method for detecting a short circuit (16) on a line (10) of a multi-phase electrical energy supply network, in which current and voltage sampled values are recorded and a fault signal is generated if a fault evaluation performed by an electrical protection device (12a) indicates a short circuit (16) present on the line (10). In order to generate a fault signal even more quickly than before, in particular for clear faults, instantaneous reference voltage values are calculated from instantaneous current and voltage sampled values recorded before the occurrence of the short circuit (16), and instantaneous comparative voltage values are calculated from instantaneous current and voltage sampled values recorded before the occurrence of the short circuit (16) and instantaneous current and voltage sampled values recorded during the short circuit (16). Then a rectified reference voltage value is calculated from consecutive instantaneous reference voltage values, and a rectified comparative voltage value is calculated from consecutive instantaneous comparative voltage values. The fault signal is generated if the difference of the rectified comparative voltage value and the rectified reference voltage value exceeds a triggering threshold value. The invention further relates to a corresponding electrical protection device (12a).



No. of Pages : 49 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.613/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SELF-CONTAINED APPARATUS/AUTOMATIC DOOR HAVING A NON-CONTACT SENSOR SWITCH ASSEMBLY

(51) International classification	:E03C
(31) Priority Document No	:13/236,921
(32) Priority Date	:20/09/2011
(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)CHENG-JU CHANG
Address of Applicant :4/F., NO. 236-1, HUANHO S. RD.,
SEC. 2, WANHUA DIST., TAIPEI CITY, TAIWAN,
REPUBLIC OF CHINA
2)TA-YU SU
(72)**Name of Inventor :**
1)CHENG-JU CHANG
2)TA-YU SU

(57) Abstract :

A self-contained apparatus having a non-contact sensor switch assembly that includes a switching transistor 24 adapted for switching on/off the supply of a power supply to the control unit of an automatic handwash dispenser 1, automatic water tap 4 or automatic door 5, a charge induction plate 21 inducible by the approaching hands 3 of a person, and a capacitive proximity sensor 22 electrically coupled between the charge induction plate 21 and the switching transistor 24 for triggering the switching transistor 24 to switch on the supply of the power supply to the control unit of the automatic handwash dispenser 1, automatic water tap 4 or automatic door 5 upon approach of the hands 3 of a person.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.628/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VIDEO DECODING APPARATUS, VIDEO CODING APPARATUS, VIDEO DECODING METHOD, VIDEO CODING METHOD, AND STORAGE MEDIUM

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:2011-133383	1)FUJITSU LIMITED
(32) Priority Date	:15/06/2011	Address of Applicant :1-1, KAMIKODANAKA 4-CHOME,
(33) Name of priority country	:Japan	NAKAHARA-KU, KAWASAKI-SHI, KANAGAWA 211-
(86) International Application No	:NA	8588, JAPAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SATOSHI SHIMADA
(61) Patent of Addition to Application Number	:NA	2)AKIRA NAKAGAWA
Filing Date	:NA	3)KIMIHIKO KAZUI
(62) Divisional to Application Number	:NA	4)JUNPEI KOYAMA
Filing Date	:NA	

(57) Abstract :

A video decoding apparatus includes a reference picture list storing unit configured to store picture information of pictures; a motion vector information storing unit configured to store motion vector information including motion vectors of blocks that are spatially and temporally adjacent to a target block to be decoded and reference picture identifiers indicating pictures that the motion vectors refer to; and a vector predictor generating unit configured to scale a vector predictor candidate for a motion vector of the target block based on the picture information and the motion vector information and to correct the scaled vector predictor candidate toward 0 by a predetermined amount.

No. of Pages : 80 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4007/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MACROCYCLIC COMPOUNDS AS TRK KINASE INHIBITORS

(51) International classification :C07D487/04,A61K31/519,C07D519/00
(31) Priority Document No :61/346,767
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036452
Filing Date :13/05/2011
(87) International Publication No :WO 2011/146336
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ARRAY BIOPHARMA INC.
Address of Applicant :3200 Walnut, Boulder, CO 80301 U.S.A.
(72)Name of Inventor :
1)ANDREWS, Steven, Wade
2)CONDROSKI, Kevin, Ronald
3)HAAS, Julia
4)JIANG, Yutong
5)KOLAKOWSKI, Gabrielle, R.
6)SEO, Jeongbeob
7)YANG, Hong-Woon
8)ZHAO, Qian

(57) Abstract :

Compounds of Formula I: and pharmaceutically acceptable salts thereof, wherein ring A, ring B, W, m, D, R2, R2a, R3, R3a, and Z are as defined herein are inhibitors of Trk kinases and are useful in the treatment of pain, cancer, inflammation, neurodegenerative diseases and certain infectious diseases.

No. of Pages : 103 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4008/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MULTI-TEETH ENGAGEMENT IN AN ACTUATOR PISTON

(51) International classification :F16K31/54,F16K31/04,F15B15/20
(31) Priority Document No :61/355,688
(32) Priority Date :17/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/052667
Filing Date :17/06/2011
(87) International Publication No :WO 2011/158222
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)BRAY INTERNATIONAL, INC.
Address of Applicant :13333 Westland E. Blvd., Houston, Texas 77041 U.S.A.
(72)**Name of Inventor :**
1)GENT, David
2)DERNOVSEK, John
3)CARLSON, Darin

(57) Abstract :

An actuator for a valve assembly is provided. The actuator has an actuator body and at least one piston configured to travel within the actuator body. The actuator has an output shaft located at least partially within the actuator body and configured to couple to a valve stem of a valve wherein the output shaft has a plurality of teeth protruding from a pinion. The actuator has at least one rack configured to move with each of the at least one piston the rack having a piston end and a terminal end and wherein the rack has a plurality of rack teeth configured to engage the plurality of teeth on the output shaft. The terminal end of the rack is configured to be maintained a minimum distance beyond an engagement point wherein the engagement point is located between the rack teeth and the teeth in all operating positions.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4009/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MOBILE STATION, AND WIRELESS BASE STATION

(51) International classification	:H04W48/02,H04M1/00	(71) Name of Applicant :
(31) Priority Document No	:2010-135443	1)NTT DOCOMO, INC.
(32) Priority Date	:14/06/2010	Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-
(33) Name of priority country	:Japan	ku, Tokyo 1006150 JAPAN
(86) International Application No	:PCT/JP2011/063478	(72) Name of Inventor :
Filing Date	:13/06/2011	1)HAPSARI, Wuri Andarmawanti
(87) International Publication No	:WO 2011/158779	2)IWAMURA, Mikio
(61) Patent of Addition to Application	:NA	3)TANAKA, Itsuma
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a mobile station (UE) equipped with a notification information receiving unit (21) configured to receive an SIB (2) by means of an E-UTRAN, and a restriction processing unit (22) configured to perform a predetermined restriction processing in relation to the E UTRAN on the basis of the information elements contained in the SIB (2), wherein the restriction processing unit (22) performs a restriction processing in relation to the transmission of a CS call using a CSFB function on the basis of ac BarringForCSFB r10 and ac BarringForMO Data of the abovementioned information elements.

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

(54) Title of the invention : DESIGN AND CONSTRUCTION OF NON-RECTANGULAR BATTERIES

(51) International classification :H01M2/02,H01M10/04,H01M10/0565
 (31) Priority Document No :12/837,932
 (32) Priority Date :16/07/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/043832
 Filing Date :13/07/2011
 (87) International Publication No :WO 2012/009423
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)APPLE INC.

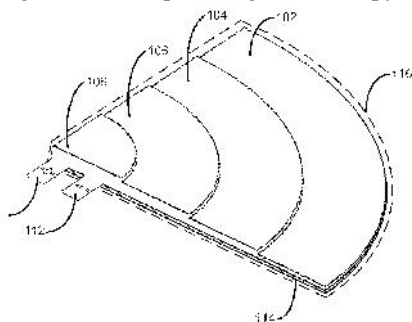
Address of Applicant :1 Infinite Loop, Cupertino, CA 95014 U.S.A.

(72)Name of Inventor :

1)SPARE, Bradley, L.

(57) Abstract :

The disclosed embodiments relate to a battery cell which includes a set of electrode sheets of different dimensions arranged in a stacked configuration to facilitate efficient use of space inside a portable electronic device. For example, the electrode sheets may be arranged in the stacked configuration to accommodate a shape of the portable electronic device. The stacked configuration may be based on a non-rectangular battery design such as a toroidal design, an L- shaped design, a triangular design, a pie-shaped design, a cone-shaped design, and/or a pyramidal design.



No. of Pages : 21 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.630/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : TURBINE HOUSING AND METHOD FOR DIRECTING EXHAUST

(51) International classification	:F01D	(71) Name of Applicant :
(31) Priority Document No	:13/157650	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:10/06/2011	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)EDWARD R. ROMBLUM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one exemplary embodiment of the invention, a turbine housing for a forced induction system of an internal combustion engine is provided, the turbine housing including a turbine inlet passage in fluid communication with a turbine volute configured to house a turbine wheel, the turbine inlet passage configured to direct an exhaust gas flow from an exhaust manifold to the turbine wheel. The housing also includes a turbine outlet passage in fluid communication with the turbine volute, the turbine outlet passage configured to direct the exhaust gas flow to a catalytic converter coupled to the turbine outlet passage, wherein the turbine outlet passage comprises a cone shaped passage.

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

(54) Title of the invention : PARKING MODE SELECTION APPARATUS AND METHOD

(51) International classification	:B60R21/00	(71)Name of Applicant :
(31) Priority Document No	:2010-132028	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:09/06/2010	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/JP2011/062976	(72)Name of Inventor :
Filing Date	:06/06/2011	1)Teruhisa TAKANO
(87) International Publication No	:WO 2011/155464	2)Masahiko KIKUCHI
(61) Patent of Addition to Application	:NA	3)Hajime KASAI
Number	:NA	4)Yoshiro TAKAMATSU
Filing Date	:NA	5)Kouki MINEGISHI
(62) Divisional to Application Number	:NA	6)Makoto SHIBANO
Filing Date	:NA	

(57) Abstract :

The disclosed parking mode selection device selects one of multiple parking modes which include at least a perpendicular parking mode and a parallel parking mode. The aforementioned parking mode selection device is provided with a steering angle detector for detecting the steering angle of a steering wheel, an operation detection unit which, on the basis of the aforementioned steering angle detected by the aforementioned steering angle detector, detects a prescribed operation in which the aforementioned steering wheel is turned to the right or to the left and thereafter returned to a neutral position, and a parking mode selection unit. When the aforementioned prescribed operation is detected by the aforementioned operation detection unit, the aforementioned parking mode selection unit selects that parking mode which matches the side to which is steered by the right- or left-turning direction of the aforementioned steering angle detected by the aforementioned steering angle detector, and which is associated with the magnitude of said steering angle.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.420/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR CONTROLLING A CONCRETE MIX CASTING EQUIPMENT DISMOUNTABLY ATTACHED TO A CRANE AND A CONCRETE MIX CASTING EQUIPMENT DISMOUNTABLY ATTACHED TO A CRANE

(51) International classification	:B66C	(71) Name of Applicant :
(31) Priority Document No	:20115361	1)ELEMATIC OY AB
(32) Priority Date	:14/04/2011	Address of Applicant :P.O.BOX 33, FI-37801 TOIJALA
(33) Name of priority country	:Finland	FINLAND
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)KORKIAMÄKI, PEKKA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for controlling concrete mix casting equipment (10) to be dismountably attached to a crane (1),said casting equipment being controlled on the horizontal plane by moving the crane,so that a substantially vertical motion of the casting equipment (10) is achieved during the operation of the casting equipment by vertical motion of the lifting element (6) of the crane (1).The invention also relates to a concrete mix casting equipment (10) to be dismountably attached to a crane (1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.637/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : DRILLING UNIT

(51) International classification	:F01d	(71) Name of Applicant :
(31) Priority Document No	:11005366.7	1)BAUER MASCHINEN GMBH
(32) Priority Date	:30/06/2011	Address of Applicant :BAUER-STR.1, 86529
(33) Name of priority country	:EPO	SCHROBENHAUSEN, Germany
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)LANZL, MARTIN
(87) International Publication No	: NA	2)ANGERMEIER, MANFRED
(61) Patent of Addition to Application Number	:NA	3)FISCHER, PETER
Filing Date	:NA	4)STETTER, DIETER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a drilling unit with a carrier vehicle with a hydraulic supply, a mast, a carriage which can be moved along the mast and a hydraulic cylinder for moving the carriage which comprises a cylinder housing, in which a piston with a piston rod is mounted so that it can be displaced. The piston rod is fixed to the mast and the cylinder housing to the carriage. The carriage is connected to the hydraulic supply and comprises at least one hydraulic connection. The hydraulic cylinder is connected via the hydraulic connection on the carriage to the hydraulic supply.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.64/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : HYDRAULIC COUPLING HAVING SELF-ADJUSTING ANTI-ROTATION HYDRAULIC FLUID PATH

(51) International classification :F16D25/08

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2010/041509

Filing Date :09/07/2010

(87) International Publication No :WO 2012/005736

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)EATON CORPORATION

Address of Applicant :Eaton Center, 1111 Superior Avenue,
Cleveland, OH 44114-2584, U.S.A.

(72)Name of Inventor :

1)EDLER, Andrew Nathan

2)FISHER, Daniel Philip

3)FOX, Matthew George

(57) Abstract :

A hydraulic coupling (10) for use in a vehicle drive train having a fluid path (48) which extends between the housing (12) of the hydraulic coupling (10) and a coupling mechanism (30). The fluid path (48) includes a first aperture (50) formed in the housing (12) with a first diameter and a longitudinal axis (A), as well as a second aperture (52) formed in the coupling mechanism (30). A rigid conduit (54) extends between the first and second apertures (50, 52) with a first portion having a diameter that is less than the first diameter of the first aperture (50) so as to define an adjustment gap (G) that allows the rigid conduit (54) to move out of alignment with the longitudinal axis (A) in response to misalignment between the first and second apertures (50, 52). In addition, the rigid conduit (54) provides resistance to torque imposed upon the coupling mechanism (30).

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.437/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

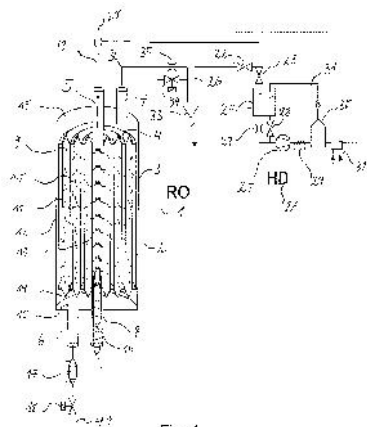
(43) Publication Date : 21/06/2013

(54) Title of the invention : COMBINATION OF A SINGLE-STATION RO DEVICE WITH A HEMODIALYSIS DEVICE

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)MANFRED VÖLKER
(32) Priority Date	:01/08/2011	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 :

The combination of a single-station reverse-osmosis (RO) device comprising a hemodialysis device (HD device) is characterized in that at least one cleaning chamber for the raw water and/or for the permeate is arranged, and that upon request by the HD device the permeate flows either via the water inlet valve into the HD device or via a flushing valve of the HD device to an outlet.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.65/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD AND PRODUCTION LINE FOR PRODUCING A COLD-ROLLED STEEL FLAT PRODUCT FROM A NON-CORRODING STEEL

(51) International classification :C21D8/02,B21B3/02,B21B45/06
(31) Priority Document No :102010026757.0
(32) Priority Date :09/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/061155
Filing Date :01/07/2011
(87) International Publication No :WO 2012/004205
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ANDRITZ SUNDWIG GMBH
Address of Applicant :Stephanopeler Straße 22 58675
Hemer Germany
(72)Name of Inventor :
1)MACKENZIE, Ian
2)BARTHOLDT, Christian

(57) Abstract :

The invention relates to a method and to a correspondingly designed production line (1) for producing a cold rolled flat steel product (E) from a scale coated hot strip (W) made of a rustproof steel. In the course of the method according to the invention, the hot strip (W) coated with scale is cold rolled to form the flat steel product, the cold rolled flat steel product (E) is annealed, and the annealed flat steel product (E) is descaled. According to the invention, the cold rolled flat steel product (E) obtained after cold rolling the hot strip (W) is subjected to a descaling treatment in the hard rolled state prior to annealing, wherein the scale present on the cold rolled flat steel product (E) is mechanically removed. In this manner, methods and production lines can be implemented, by means of which it is possible to produce cold rolled flat steel products from rustproof steel having improved surface finish in a cost-effective manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.66/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : FASTENING SYSTEM

(51) International classification	:F16B5/07
(31) Priority Document No	:102010027394.5
(32) Priority Date	:16/07/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/003046
Filing Date	:21/06/2011
(87) International Publication No	:WO 2012/007089
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)GOTTLIEB BINDER GMBH & CO. KG
Address of Applicant :Bahnhofstr. 19, 71088 Holzgerlingen,
Germany
(72)**Name of Inventor :**
1)POULAKIS, Konstantinos

(57) Abstract :

A fastening system for the releasable fixing of a second component (10) on a first component (12), such as the attachment of a covering component on a vehicle-body component, having at least one spacer (20) which can be fixed on one side on the first component (10) by means of a first fastening means and is provided on its opposite side with a first cling-fastener part (30) which can be brought into engagement releasably with a corresponding second cling- fastener part (32) which, on its side which faces away from the fastener elements (28, 34), can be fixed on the second component (12) by means of a second fastening means (38), is characterized in that the spacer (20) can be fixed on the first component (10) by means of a screw connection which forms the first fastening means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.684/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : LASER IRRADIATION APPARATUS AND LASER IRRADIATION METHOD

(51) International classification	:B41J	(71)Name of Applicant :
(31) Priority Document No	:2011-138603	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:22/06/2011	Address of Applicant :1-1,SHIBAURA 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO 105-8001 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ITARU CHIDA
(87) International Publication No	: NA	2)KEIICHI HIROTA
(61) Patent of Addition to Application Number	:NA	3)HIDEKAZU SASAKI
Filing Date	:NA	4)TAKUYA UEHARA
(62) Divisional to Application Number	:NA	5)TOMOKI SUETAKE
Filing Date	:NA	6)HIROSHI NOMURA

(57) Abstract :

A laser irradiation apparatus of the embodiment includes: a laser light transmission mechanism to guide laser light from a laser light source and emit the laser light from a laser light emission part; a condensing mechanism to condense the laser light; a pipe state casing to house and hold the condensing mechanism inside thereof and have an opening part to irradiate the laser light; a fluid supply mechanism to supply a fluid into the casing to emit the fluid from the opening part; a positioning mechanism provided at the casing to keep a distance from the condensing mechanism to the processing object constant by being brought into contact with the processing object; and a fluid guide mechanism to guide the fluid emitted from the opening part to flow between the casing and the processing object along an axial direction of the casing.

No. of Pages : 34 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.405/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

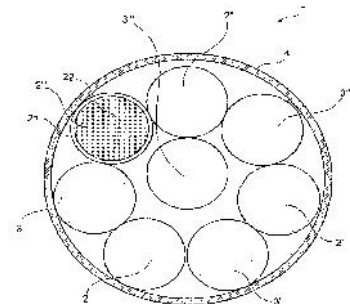
(54) Title of the invention : HIGH-POWER HIGH-FREQUENCY CABLE

(51) International classification :H02K
(31) Priority Document No :11166236.7
(32) Priority Date :16/05/2011
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AEG POWER SOLUTIONS B.V.
Address of Applicant :WEERENWEG 29, 1161AH
ZWANENBURG, THE NETHERLANDS
(72)**Name of Inventor :**
1)PETER WALLMEIER
2)BERND NIEHAUS

(57) Abstract :

A high-power high-frequency cable (1) is provided with a strand (2, 3, 2, 3, 2, 3, 2, 3) made of electrically conducting individual wires (22) and a jacket (21) implemented as a conductor and surrounding the individual wires (22), wherein each individual wire (22) has an insulating varnish layer, wherein the high-power high-frequency cable (1) has at least one strand pair (2, 3, 2, 3, 2, 3, 2, 3) of which one strand (2, 3, 2, 3, 2, 3, 2, 3) can be used as a feed conductor and one strand as a return conductor, and wherein the feed conductor and the return conductor of the strand pair (2, 3, 2, 3, 2, 3, 2, 3) are bundled so as to run parallel to each other.



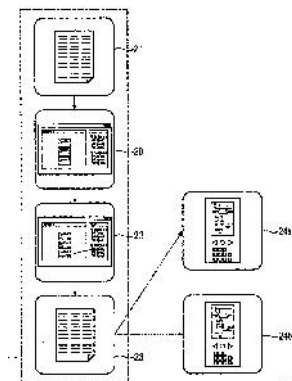
No. of Pages : 9 No. of Claims : 7

(54) Title of the invention : CONFIGURATION OF THE COMMUNICATION LINKS OF FIELD DEVICES IN A POWER AUTOMATION INSTALLATION

(51) International classification	:G05B19/042,G05B19/418	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:NA	Address of Applicant :Wittelsbacherplatz 2, 80333
(33) Name of priority country	:NA	München Germany
(86) International Application No	:PCT/EP2010/060892	(72)Name of Inventor :
Filing Date	:27/07/2010	1)JACHMANN, Thomas
(87) International Publication No	:WO 2012/013219	2)REICHENBACH, Gunther
(61) Patent of Addition to		3)SCHUSTER, Norbert
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to specify a method for configuration of field devices (11, 12a-12g), in which a user can carry out configuration processes with a high level of confidence against incorrect settings, even without extensive knowledge of a set of rules governing the communication, it is proposed that a graphics editor (30) has a first display area (31), which comprises a graphics display (33) of functions of a first field device (11), and has a second display area (32) which comprises a graphics display (36a, 36b) of at least one further field device (12a-12g) which is connected to the first field device (11), and an indication (37a, 37b) of possible output signals, a selection by the user of an output signal from the at least one further field device (for example 12a) and of a function of the first field device (11) is detected, and parameter sets are produced for the first field device (11) and for the at least one further field device (for example 12a), which parameter sets comprise instructions for configuration of the communication link of the first field device (11) and of the at least one further field device (for example 12a) which, when a selected output signal is present for the at least one further field device (for example 12a), indicate that a data message has been sent to the first field device (11) and that the selected function of the first field device (11) has been initiated. The invention also relates to a correspondingly designed power automation installation (10).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.698/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POWERTRAIN WITH TWO PLANETARY GEAR SETS AND TWO MOTOR/GENERATORS FOR HYBRID VEHICLE

(51) International classification	:F02P	(71)Name of Applicant :
(31) Priority Document No	:13/238150	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:21/09/2011	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)RAVIKANTH G V
(87) International Publication No	: NA	2)ALLE KUMAR NAVEEN
(61) Patent of Addition to Application Number	:NA	3)KUMPATLA V NAIDU
Filing Date	:NA	4)P KARTHIKEYAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A powertrain includes an input member, an output member, and a stationary member. A first and a second electric motor/generator are provided. Only two planetary gear sets are used, each having a respective first, second, and third member. An interconnecting member connects one of the members of a first one of the planetary gear sets to one of the members of a second one of the planetary gear sets. The input member, the output member, the first motor/generator and the second motor/generator are each continuously connected for common rotation with a different one of the members of the planetary gear sets that is not connected by the interconnecting member. Four brakes are each selectively engageable to ground a different respective one of the members of the planetary gear sets that is not connected by the interconnecting member to the stationary member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.479/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : IN-VEHICLE CHARGING SYSTEM

(51) International classification	:H02J	(71) Name of Applicant :
(31) Priority Document No	:2011-112485	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:19/05/2011	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:NA	1)TOSHIHISA HARAOKI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In an in-vehicle charging system, a charging display function is improved while versatility of the system is ensured, and usability is improved by enhancing charging display content. An EV controller (4) calculates a charge amount and outputs the calculated charge amount and a state of charge of a battery (2) to a communication line (9). A meter device (6) calculates a time required for completing charging of a battery based on the charge amount and the state of charge of the battery received via the communication line (9), and then calculates an end time based on the required time to display the end time on a display (5) while controlling colored lighting that indicates a remaining required time in accordance with the set time determined in advance.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.718/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SOLID CONE NOZZLE

(51) International classification	:F02P	(71) Name of Applicant :
(31) Priority Document No	:10 2011	1)LECHLER GMBH
(32) Priority Date	078 508.6	Address of Applicant :ULMER STRA E 128 72555
(33) Name of priority country	:01/07/2011	METZINGEN Germany
(86) International Application No	:Germany	(72) Name of Inventor :
Filing Date	:NA	1)MATTHIAS 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 invention relates to a solid cone nozzle comprising a nozzle housing and a swirl insert, wherein said nozzle housing has an outlet chamber including a discharge orifice and wherein the outlet chamber is disposed downstream of the swirl insert. The swirl insert has on its external periphery at least one swirl duct, which extends, in a swirl portion, helically or at an angle to the longitudinal center axis of the swirl insert and which extends in the axial direction in an outlet portion, which outlet portion extends from the end of the swirl portion to the downstream end of the swirl duct.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.744/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND STRADDLE-TYPE VEHICLE EQUIPPED WITH THE ENGINE

(51) International classification	:G01L	(71)Name of Applicant :
(31) Priority Document No	:2011-158623	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:20/07/2011	Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA-KEN 438-8501 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)AKITOSHI NAKAJIMA
Filing Date	:NA	2)TOSHINORI INOMORI
(87) International Publication 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 single-cylinder internal combustion engine having a knock sensor mounted thereto can suppress a temperature rise of the knock sensor and at the same time detect knocking with high accuracy. An engine (10) has a cylinder block (12) having a cylinder (15) formed therein, and a cylinder head (13) connected to the cylinder block (12). On a surface of the cylinder block (12) and the cylinder head (13), one or more fins (33) protruding from the surface are provided. On the surface of the cylinder block (12), a sensor mounting boss (40) protruding from the surface and being continuous to a portion of the one or more fins (33) is provided. A knock sensor for detecting knocking is mounted to the sensor mounting boss (40).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.745/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND STRADDLE-TYPE VEHICLE EQUIPPED WITH THE ENGINE

(51) International classification	:F02P	(71)Name of Applicant :
(31) Priority Document No	:2011-158621	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:20/07/2011	Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA-KEN 438-8501 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)AKITOSHI NAKAJIMA
Filing Date	:NA	2)TOSHINORI INOMORI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a single-cylinder internal combustion engine fitted with a knock sensor, the temperature rise of the knock sensor is suppressed, and the reliability of the knock sensor is improved. An engine (10) has a crankcase (11), a cylinder block (12) connected to the crankcase (11), a cylinder head (13) connected to the cylinder block (12), a sensor mounting boss (40) formed on the cylinder block (12), and a knock sensor (41) mounted to the boss (40). Fins (33) are formed on the cylinder block (12) and the cylinder head (13). A heat insulation member (45) is provided between the boss (40) and the knock sensor (41).

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

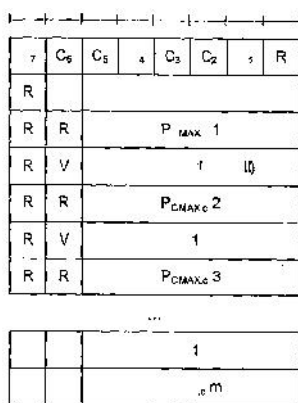
(54) Title of the invention : METHODS OF PROVIDING POWER HEADROOM REPORTS ARRANGED IN ORDER OF COMPONENT CARRIER INDICES AND RELATED WIRELESS TERMINALS AND BASE STATIONS

(51) International classification :H04W52/54,H04W52/30,H04W52/34
 (31) Priority Document No :61/356248
 (32) Priority Date :18/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/SE2011/050526
 Filing Date :28/04/2011
 (87) International Publication No :WO 2011/159222
 (61) 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)
 Address of Applicant :S-164 83 Stockholm, Sweden
 (72)Name of Inventor :
1)BOSTRÖM, Lisa
2)LARSSON, Daniel
3)GERSTENBERGER, Dirk
4)BALDEMAIR, Robert
5)WIEMANN, Henning

(57) Abstract :

Power headroom reports may be transmitted from a wireless terminal to a base station wherein a primary component carrier and at least one secondary component carrier are provided for uplink transmissions from the wireless terminal to the base station and wherein a respective component carrier index is assigned to each of the at least one secondary component carriers provided for the wireless terminal. Respective power headroom reports may be generated for the primary component carrier and for each of the at least one secondary component carriers, and a MAC control element may be generated including the power headroom reports for the primary and secondary component carriers. More particularly, the power headroom reports for each of the at least one secondary component carriers may be arranged in order of the component carrier indices for the respective secondary component carriers. The MAC control element including the power headroom reports for the primary and secondary component carriers may be transmitted from the wireless terminal to the base station over one of the component carriers. Related wireless terminals, and base stations are also discussed.



No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3975/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR REDUCTION OF MERCURY TOXICITY

(51) International classification	:A61K33/30,A61P25/00	(71) Name of Applicant :
(31) Priority Document No	:61/347,819	1)KOSSOR, David
(32) Priority Date	:25/05/2010	Address of Applicant :1325 Bridge Creek Trail, Ellisville,
(33) Name of priority country	:U.S.A.	MO 63021 U.S.A.
(86) International Application No	:PCT/US2011/037957	(72) Name of Inventor :
Filing Date	:25/05/2011	1)KOSSOR, David
(87) International Publication No	:WO 2011/150098	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are compositions containing melatonin and zinc. Additionally provided are dosage forms containing the compositions, and methods of making the compositions and dosage forms. Methods of removing mercury from the body of subject are provided, as are methods of treating and/or preventing certain conditions associated with mercury toxicity.

No. of Pages : 24 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.753/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : ROTATING NOZZLE SYSTEM

(51) International classification	:F02P	(71) Name of Applicant :
(31) Priority Document No	:10 2011	1)LECHLER GMBH
(32) Priority Date	078 725.9	Address of Applicant :ULMER STRASSE 128, 72555
(33) Name of priority country	:06/07/2011	METZINGEN, Germany
(86) International Application No	:Germany	(72) Name of Inventor :
Filing Date	:NA	1)HERMANN, LANGE
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

1.1. Rotating nozzle system. 2.1. The invention relates to a rotating nozzle system comprising a nozzle head and a first driving system for rotating the nozzle head about a first axis of rotation, in which a second driving system is provided for rotating the nozzle head and the first driving system about a second axis of rotation, wherein the second axis of rotation is disposed substantially at right angles to the first axis of rotation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.76/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : P-GW/GGSN ISSUED PAGING REQUEST

(51) International classification	:H04W68/00
(31) Priority Document No	:61/355,705
(32) Priority Date	:17/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/054930
Filing Date	:30/03/2011
(87) International Publication No	:WO 2011/157460
(61) 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)
Address of Applicant :S-164 83 Stockholm, Sweden
(72)**Name of Inventor :**
1)YANG, Yong
2)RYDNELL, Gunnar
3)SANDER, Ann-Christine

(57) Abstract :

Example embodiments presented herein provide a system and method enabling optimized communication in a wireless network, thereby reducing network resource utilization. Example embodiments provide a Packet Data Network Gateway (P-GW) network node or a Gateway General Packet Radio Service Support Node (GGSN) network node to initiate a paging procedure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.775/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :13/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : COLD ROLLED STEEL SHEET HAVING EXCELLENT BENDABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:C22C	(71)Name of Applicant :
(31) Priority Document No	:JP2011-250084	1)JFE STEEL CORPORATION,
(32) Priority Date	:15/11/2011	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	
(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 bendability and exhibiting good formability in actual press forming. Specifically, the present invention provides a cold rolled steel sheet having excellent bendability, comprising by mass%: C: 0.005 % or less; Si: 0.1 % or less; Mn: 0.5 % or less; P: 0.03 % or less; S: 0.02 % or less; N: 0.005 % or less; Al: 0.1 % or less; Ti: 0.020 % to 0.1 % (inclusive of 0.020 % and 0.1 %); and Fe and incidental impurities as the remainder, wherein size of TiN is not larger than 0.5 micron, size of Ti sulfide and/or Ti carbosulfide is not larger than 0.5 micron, ferrite particle diameter is not larger than 30 micron, X-ray random intensity ratio of (111)/ND is at least 3, and X-ray random intensity ratio of (100)/ND is not larger than 1.

No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.781/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : POWER SUPPLY ARRANGEMENT FOR A REACTOR FOR PRODUCING POLYSILICON WITH A FREQUENCY CONVERTER

(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:11	1)AEG POWER SOLUTIONS B.V.
(32) Priority Date	174546.9	Address of Applicant :WEERENWEG 29, 1161AH
(33) Name of priority country	:19/07/2011	ZWANENBURG, THE NETHERLANDS
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)PETER WALLMEIER
(87) International Publication 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 power supply arrangement (MF) for a reactor (R) for producing polysilicon, with a frequency converter, with at least one input for receiving an input current from the supply grid with which the input can be connected, and outputs for connecting one or several loads (3), via which the load(s) (3) can be supplied with an output current, wherein the power supply arrangement has a transformerless conversion circuit for converting the input current into an n-phase multiphase AC current, wherein the phase shift between chained voltages of an n-phase AC current system formed on the secondary side of the conversion circuit is $360^\circ/n$, wherein n is a natural number greater than or equal to two, wherein the supply arrangement (MF) has n outputs, wherein the outputs form a chain, and wherein one of the chained voltages of the n-phase AC current system is applied at each output.

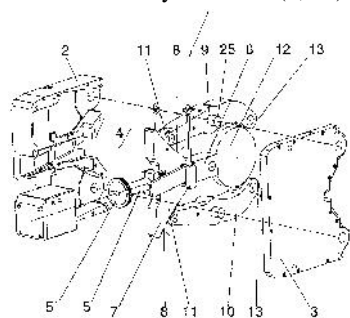
No. of Pages : 17 No. of Claims : 11

(54) Title of the invention : STEADY REST

(51) International classification	:B23Q	(71)Name of Applicant :
(31) Priority Document No	:11172350.8	1)SMW-AUTOBLOK SPANNSYSTEME GMBH,
(32) Priority Date	:01/07/2011	Address of Applicant :WIESENTALSTRASSE 28, D-88074
(33) Name of priority country	:EPO	MECKENBEUREN Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ECKHARD MAURER
(87) International Publication No	: NA	2)JÜRGEN MARQUART
(61) Patent of Addition to Application Number	:NA	3)ROBERT SCHEMING
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a steady rest (1) for centring a rotationally symmetrical workpiece (12) in the space, consisting of a housing shell (2) and a housing cover (3) that are firmly connected together and which form an interior space (4), - consisting of a guide slide (7) mounted in an axially adjustable arrangement in the interior space (4) and of an actuator rod (5) that is in a form-locking connection with the guide slide (7), - consisting of two control surfaces (8) formed facing opposite to one another on the guide slide (7), in which case the control surfaces (8) are configured so that the guide slide (7) chiefly has a triangular cross-sectional contour, one triangle tip of which points towards the workpiece (12) and the opposite two triangle tips of which point towards the actuator rod (5), - consisting of a middle steady rest arm (6) that is in a driving connection with the actuator rod (5) and - consisting of two outer steady rest arms (9,10) each arranged on the side next to the middle steady rest arm (6), which are mounted in a swivelling arrangement in the housing shell (2) and/or the housing cover (3), and the first free end (11) of which is in contact with the control surface (8) of the guide slide (7), with the second free end (13) on the opposite side gripping around the workpiece (12) to be clamped, thus forming a three-point mounting together with the middle steady rest arm (6) in order to hold the workpiece (12), high machining forces should be reliably supported without the central positioning of the workpiece (12) in the space being changed by these forces, and at the same time the centring of the workpiece (12) in the space should be adjustable quickly and easily by the position change of the steady rest arms (6, 9 and 10), without the need to release the contact effect of the three steady rest arms (6, 9 and 10) on the workpiece for this purpose. This is achieved in that the actuator rod (5) has a passage opening (14) worked into it, into which a force actuation element (15) is inserted, and that the force actuation element (15) is in a form-locking active connection with a first and/or second adjustment device (31 and/or 32) by means of intermediate elements (16, 17, 20, 30, 35) in such a way that when the workpiece (12) is clamped, the first adjustment device (31) is able to adjust the three steady rest arms (6, 9, 10) jointly and synchronously to one another in their particular position for aligning the workpiece (12) in the clamped condition in the horizontal plane and the second adjustment device (32) is able to adjust the position of the two outer steady rest arms (9, 10) for changing the position of the workpiece (12) in the clamped condition in the vertical plane.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.789/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CLOCK FREQUENCY ADJUSTING METHOD AND CIRCUIT

(51) International classification	:H03B	(71) Name of Applicant :
(31) Priority Document No	:11 56639	1)INSIDE SECURE
(32) Priority Date	:21/07/2011	Address of Applicant :41 PARC CLUB DU GOLF, 13856
(33) Name of priority country	:France	AIX-EN-PROVENCE CEDEX 3 FRANCE
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)BRACMARD, GAETAN
(87) International Publication No	: NA	2)MARANINCHI, JEAN-PASCAL
(61) Patent of Addition to Application Number	:NA	3)ROCHE, JULIEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for adjusting an oscillator clock frequency, comprising : supplying a first oscillator (OSC1), applying a first setpoint value (S1) to the first oscillator, determining a first oscillator frequency value (F1), supplying a second oscillator (OSC2), applying a second setpoint value (S2) to the second oscillator, determining a second oscillator frequency value (F2) , determining a new frequency setpoint (S1) to obtain a desired frequency (F3) from the first and second frequency values (F1, F2), the first and second setpoint values (S1, S2), and the desired frequency value (F3), and applying the new frequency setpoint (S1) to one of the oscillators (OSC1).

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.465/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VEHICLE REAR STRUCTURE

(51) International classification	:B60N
(31) Priority Document No	:2011-100360
(32) Priority Date	:28/04/2011
(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)SUZUKI MOTOR CORPORATION
Address of Applicant :300 TAKATSUKA MINAMI-KU,
HAMAMATSU, SHIZUOKA, 432-8611 JAPAN
(72)**Name of Inventor :**
1)OKURA, KOUHEI

(57) Abstract :

A vehicle rear structure is provided to which a child seat is attached and that furthermore prevents a rear floor carpet from sinking in. The vehicle rear structure 100 includes a child seat attachment member 112 placed on a floor panel near a back side of a rear seat, and a rear floor carpet 110 covering the child seat attachment member. The child seat attachment member includes a panel-shaped base portion 116 bent to be fixed to a step portion of the floor panel, and child seat anchors 118a and 118b that are respectively to be coupled to child seat engagement members 108a and 108b extending from the child seat on the rear sheet. The base portion 116 includes first raised portions 124a and 124b that are respectively formed at positions corresponding to the child seat anchors, and a second raised portion 126 formed between the first raised portions, the second raised portion 126 raising the height of the carpet to substantially the same height as the height of the carpet on the child seat anchors.

No. of Pages : 23 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.804/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : STARTER MOTOR

(51) International classification	:H02K
(31) Priority Document No	:201110204836.X
(32) Priority Date	:21/07/2011
(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 :**
1)JOHNSON ELECTRIC S.A.
Address of Applicant :BAHNHOFSTRASSE 18, CH-3280
MURTEN SWITZERLAND
(72)**Name of Inventor :**
1)PO WAH CHAN
2)WEN MING JIANG

(57) Abstract :

A starter motor for an engine includes a motor casing made of electrically conductive material and an end bracket fixed to one end of the motor casing. The end bracket comprises a base with brush cages integrally formed therewith, brushes mounted in the brush cages and a conductor electrically connected to the brushes and motor casing. The base is a single piece made of electrically insulating material and coaxial mounting holes are formed in the base and motor casing for fasteners to fix the starter motor to a housing of the engine.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.821/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTRICAL CONNECTION DEVICE

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:DE102011108828.1	1)PHOENIX CONTACT GMBH & CO.KG
(32) Priority Date	:29/07/2011	Address of Applicant :FLACHSMARKSTRASSE 8, 32825
(33) Name of priority country	:Germany	BLOMBERG Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HEINZ REIBKE
(87) International Publication 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 electrical connection device is described for connecting at least one stripped conductor end (2), with a busbar piece (3) and with a clamping spring (4) which acts as a compression spring on the conductor end (2), the busbar piece (3) having a conductor through opening (5) and a contact section (6) which borders the conductor through opening (5) and extends in the conductor insertion direction (D), the clamping spring (4) having a clamping leg (7), an attachment leg (8) and a roughly U-shaped arc (9) which connects the clamping leg (7) and the attachment leg (8) and the contact section (6) together with the free end (10) of the clamping leg (7) forming a spring force clamping connection for the electrical conductor which is to be connected. The busbar piece of the connection device as claimed in the invention required only small material use in that the contact section (6) has two side walls (11) which extend in the longitudinal direction of the busbar piece (3), that the side walls (11) are connected integrally to the busbar piece (3) and the contact section (6), and that the side walls (11) have a maximum extension (L_{max}) in the longitudinal direction of the busbar piece (3) which is smaller than the longitudinal extension (L_I) of the conductor through opening (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.826/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : GENERATING A CONVERSATION IN A SOCIAL NETWORK BASED ON VISUAL SEARCH RESULTS

(51) International classification	:G06T
(31) Priority Document No	:13/192,458
(32) Priority Date	:27/07/2011
(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)RICOH COMPANY, LTD
Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
OHTA-KU, TOKYO 143-8555 JAPAN
(72)**Name of Inventor :**
1)GRAHAM JAMEY
2)BAILLOEUL TIMOTHEE
3)ESSINDI DANI

(57) Abstract :

A system and method for generating a conversation in a social network based on visual search results is disclosed. A mixed media reality (MMR) engine indexes source materials as MMR objects, receives images from a user device and identifies matching MMR objects. A content management engine generates metadata corresponding to the MMR objects. A social network application generates conversations corresponding to the MMR object. The conversation includes multiple discussion threads. If a conversation already exists, the social network application provides the user with access to the conversation.

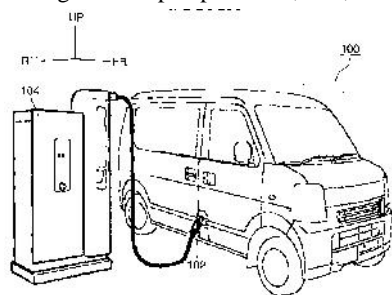
No. of Pages : 96 No. of Claims : 20

(54) Title of the invention : PROTECTIVE STRUCTURE FOR VEHICLE ELECTRICAL COMPONENTS

(51) International classification	:H02H	(71)Name of Applicant :
(31) Priority Document No	:2011-104063	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:09/05/2011	Address of Applicant :300,TAKATSUKA, MINAMI-KU,HAMAMATSU, SHIZUOKA,432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)KASHIWAGI, KATSUFUMI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a protective structure for vehicle electrical components that can prevent the infiltration of water from above and more reliably protect electrical components (high- voltage electrical components) . As a representative configuration of the present invention, a protective structure 130 for vehicle electrical components for protecting an electrical component mounted on the vehicle floor panel 148 includes a lid 132 that covers the electrical component from above, and a front panel 138, rear panel 140, and pair of side panels 142 and 144 that are arranged around the lid 132 and parallel to an upper face of the lid 132, and the panels have gutter-shaped parts 156, 158, 160 and 162 that support the periphery of the lid 132.



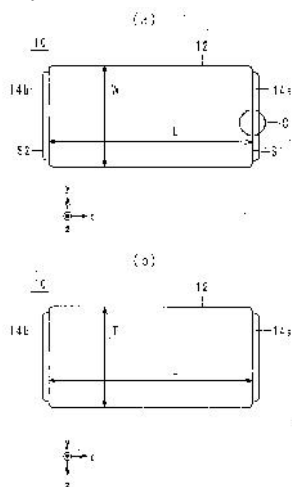
No. of Pages : 29 No. of Claims : 8

(54) Title of the invention : THERMISTOR

(51) International classification	:H01C	(71)Name of Applicant :
(31) Priority Document No	:2011-173906	1)MURATA MANUFACTURING CO., LTD.
(32) Priority Date	:09/08/2011	Address of Applicant :10-1, HIGASHIKOTARI 1-CHOME
(33) Name of priority country	:Japan	NAGAOKAKYO-SHI KYOTO 617-8555 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KATSUKI TAKAYO
(87) International Publication 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 rectangular parallelepiped thermistor capable of reducing the occurrence of cracking is provided. A thermistor body 12 has a rectangular parallelepiped shape and has two end surfaces S1 and S2 opposed to each other. Outer electrodes 14a and 14b are disposed on the respective end surfaces S1 and S2. Each of the outer electrodes 14a and 14b includes a Cr layer, a Ni/Cu layer, an Ag layer, and an Sn layer. The Cr layer is in ohmic contact with the thermistor body 12. The Ni/Cu layer is stacked on the Cr layer. The Ag layer is stacked on the Ni/Cu layer and has a mean thickness of 0.7 μm or more and 2 μm or less. The thermistor body 12 and the outer electrodes 14a and 14b are chamfered.



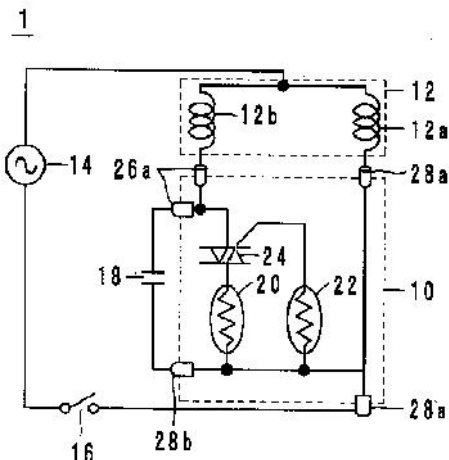
No. of Pages : 30 No. of Claims : 7

(54) Title of the invention : MOTOR STARTING CIRCUIT

(51) International classification	:H01C	(71)Name of Applicant :
(31) Priority Document No	:2011-173905	1)MURATA MANUFACTURING CO., LTD.
(32) Priority Date	:09/08/2011	Address of Applicant :10-1, HIGASHIKOTARI 1-CHOME
(33) Name of priority country	:Japan	NAGAOKAKYO-SHI KYOTO 617-8555 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)FUJII YUKI
(87) International Publication No	: NA	2)KATSUKI TAKAYO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

It is an objective of the present invention to provide a motor starting circuit capable of normally functioning even if an inexpensive triac is used. A motor starting circuit 1 starts, upon receiving the supply of an alternating-current voltage of 200 V to 220 V, a motor 12 including an auxiliary coil 12b, which operates at the time of starting, and a main coil 12a, which operates in a steady state. A thermistor 20 is connected in series to the auxiliary coil 12b. A triac 24 is connected in series to the auxiliary coil 12b and the thermistor 20. A thermistor 22 is connected to the gate of the triac 24, is connected in parallel to the thermistor 20, has a thermistor body having a rectangular parallelepiped shape with a volume of 1.5 mm³ to 10 mm³, and has a resistance value of 800 Ω to 3000 Ω at 25°C.



No. of Pages : 50 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.850/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012

(43) Publication Date : 21/06/2013

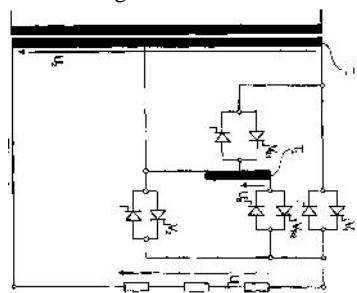
(54) Title of the invention : POWER SUPPLY WITH MEANS FOR INCREASING A VOLTAGE

(51) International classification :H01F
(31) Priority Document No :11176001.3
(32) Priority Date :29/07/2011
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AEG POWER SOLUTIONS B.V.
Address of Applicant :WEERENWEG 29, 1161AH
ZWANENBURG, THE NETHERLANDS
(72)**Name of Inventor :**
1)WOLFGANG PAUL
2)PETER WALLMEIER

(57) Abstract :

The invention relates to a power supply arrangement with a first transformer (T1) with at least two secondary-side taps for a secondary-side phase conductor potential and with a tap for a secondary-side neutral conductor potential, wherein in standard operation of the first transformer a rated voltage drops between a first of the taps for the secondary-side phase conductor potential and the tap for the secondary-side neutral conductor potential, and with two power controllers (V1, V2) connecting the taps for the secondary-side phase conductor potential with a phase conductor terminal of an output of the power supply arrangement, wherein the circuit arrangement has on the secondary side of the first transformer (T1) a means (T2) for increasing the voltage above the rated voltage.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.46/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : PANCREATIC CANCER BIOMARKERS AND USES THEREOF

(51) International classification	:C40B30/04,G06F19/00	(71) Name of Applicant :
(31) Priority Document No	:61/373,687	1)SOMALOGIC, INC.
(32) Priority Date	:13/08/2010	Address of Applicant :2945 Wilderness Place, Boulder,
(33) Name of priority country	:U.S.A.	Colorado 80301 U.S.A.
(86) International Application No	:PCT/US2011/047570	(72) Name of Inventor :
Filing Date	:12/08/2011	1)WILLIAMS, Stephen, Alaric
(87) International Publication No	:WO 2012/021795	2)RIEL-MEHAN, Michael
(61) Patent of Addition to Application Number	:NA	3)OSTROFF, Rachel, M.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure includes biomarkers, methods, devices, reagents, systems, and kits for the detection and diagnosis of cancer generally and pancreatic cancer specifically. In one aspect, the disclosure provides biomarkers that can be used alone or in various combinations to diagnose cancer generally or pancreatic cancer specifically. In another aspect, methods are provided for diagnosing pancreatic cancer in an individual, where the methods include detecting, in a biological sample from an individual, at least one biomarker value corresponding to at least one biomarker selected from the group of biomarkers provided in Table 1, wherein the individual is classified as having pancreatic cancer, or the likelihood of the individual having pancreatic cancer is determined, based on the at least one biomarker value. In a further aspect, methods are provided for diagnosing cancer generally in an individual, where the methods include detecting, in a biological sample from an individual, at least one biomarker value corresponding to at least one biomarker selected from the group of biomarkers provided in Table 19, wherein the individual is classified as having cancer generally, or the likelihood of the individual having cancer is determined, based on the at least one biomarker value.

No. of Pages : 195 No. of Claims : 69

(12) PATENT APPLICATION PUBLICATION

(21) Application No.865/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : BAR CONDUCTOR SHAPES FOR ELECTRIC MACHINES

(51) International classification	:G11B	(71) Name of Applicant :
(31) Priority Document No	:13/274543	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:17/10/2011	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)PETER J. SAVAGIAN
(87) International Publication No	: NA	2)RAJEEV VYAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A conductor is provided for an electric machine having an axis, a radial direction extending outward from the axis, and a tangential direction perpendicular to the radial direction. The conductor includes a solid core, having radial faces substantially perpendicular to the radial direction of the electric machine and tangential faces substantially perpendicular to the tangential direction of the electric machine. At least one tangential depression is formed on at least one of the tangential faces. The tangential depression creates a tangential void within a rectangular envelope defined by the solid core. Therefore, the surface area of the solid core is greater than the surface area of the rectangular envelope.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.874/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CAST ROTOR AND METHOD

(51) International classification	:B22D	(71) Name of Applicant :
(31) Priority Document No	:13/275,535	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:18/10/2011	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)QIGUI WANG
(87) International Publication No	: NA	2)KEVIN P COLEMAN
(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 forming a rotor assembly including a cast rotor frame includes positioning a preheated rotor core defining a plurality of passages in a mold cavity such that the mold cavity and the rotor core define the rotor frame including a plurality of conductor bars defined by the plurality of passages in fluid communication with first and second end portions of the mold cavity. Molten metal is quiescently introduced into the mold cavity through an ingate and simultaneously flowed through the plurality of passages prior to filling at least one of the first and second end portions of the mold cavity to form the cast rotor frame. Entrained air and impurities may be displaced from the passages by the flow of molten metal and vented or entrapped by a biscuit. The rotor frame and conductor bars thus formed may be characterized by high conductivity, negligible porosity, and minimal oxides.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.882/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : INSTRUMENT FOR THE FUSION AND CUTTING OF BLOOD VESSELS

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	:11 176	1)ERBE ELEKTROMEDIZIN GMBH
(32) Priority Date	289.4	Address of Applicant :WALDHÖRNLESTRASSE 17,
(33) Name of priority country	:02/08/2011	72072 TÜBINGEN, Germany
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)JÜRGEN HILLER
(87) International Publication No	:NA	2)THOMAS BAUR
(61) Patent of Addition to Application Number	:NA	3)RALF KÜHNER
Filing Date	:NA	4)VIKTORIA RYDZEWSKI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An instrument (10) that is preferably suitable for minimal invasive surgery, which can be introduced into a body for example through a trocar, has two arms (19, 20) and a centrally guided knife (21) for clamping vessels. The central guidance of the knife in at least one of the arms (19,20) avoids disadvantages that could otherwise develop as a result of the off-centre severing of coagulated tissue. Moreover, the clean central guidance of the knife (21) results in lower wear on the knife (21). The invention thus ensures a better cut quality and a longer service life of the knife (21).One of the arms has a preferably ceramic base body (23) , at the upper edges of which internally projecting projections (38, 39) are provided which have the form of an undercut. These electrically isolating projections extend in the direction of the central plane (M) and provide two improvements: on the one hand, the assembly of the elec trode (33) is substantially facilitated. On the other hand, two tissue-clamping points are created. The projections can be designed such that when the arms {20, 19} are closed the distance (A) between the electrode formed by the upper arm (20) and the electrode (33) at the point at which the distance A has its maximum width, and the two distances B between the projections (38, 39) and the arm (20), is the same or marginally less than the distance A. This has the advantage that during the coagulation process, in which the tissue volume falls within the coagulation region, the tissue is nevertheless securely gripped. The distance A preferably tapers from the projections (38, 39) to the guide slot (31). With the present instrument, the coagulation width is determined by the isolating projections (38, 39) and is thus reliably reproducible. The quality of coagulation is improved substantially.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.498/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : METHOD FOR METALLISATION OF PLASTIC PARTS

(51) International classification	:B65G	(71) Name of Applicant :
(31) Priority Document No	:10 2011	1)LPKF LASER & ELECTRONICS AG
(32) Priority Date	050 131.2	Address of Applicant :OSTERIEDE 7 30827 GARBSEN
(33) Name of priority country	:05/05/2011	Germany
(86) International Application No	:Germany	(72) Name of Inventor :
Filing Date	:NA	1)LANGE, BERND
(87) International Publication No	:NA	2)JOHN, WOLFGANG
(61) Patent of Addition to Application Number	: NA	3)RÖSENER, BERND
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for production of metallisation on three-dimensional plastic parts (3), wherein a conducting layer is produced selectively by means of a chemical process and subsequent galvanic metallisation. In order to significantly reduce the costs for handling of the plastic parts (3) as well as the large number of different types of holding devices commonly required in practice and to reduce the setting up work per component type, according to the present invention the plastic parts (3) are connected with a flexible carrier (1) by means of a connection part (2), which is also used as a conveyor belt. The carrier (1) encloses the respective plastic part (3) on both sides to thus achieve a temporary chaining of a large number of plastic parts (3). Thereby, an electrically conductive connection is established, which is used to supply power to the galvanic metallisation (8) through the connection part (2).

No. of Pages : 20 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.959/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : HEAT DISSIPATING LAMP DEVICE HAVING ELECTRIC TURBINE AXIAL FAN

(51) International classification	:F03D	(71) Name of Applicant :
(31) Priority Document No	:13/233,113	1)TAI-HER-YANG
(32) Priority Date	:15/09/2011	Address of Applicant :NO.59, CHUNG HSING 8 ST., SI-
(33) Name of priority country	:U.S.A.	HU TOWN, DZAN-HWA, TAIWAN, R.O.C.
(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 an electric turbine axial fan, which is rainproof and installed at the top portion of sealed heat dissipation lamp housing of a high power lamp, so when the electric turbine axial fan is operated, the airflow passes through the top portion of lamp housing of the sealed heat dissipation lamp housing and is concentrated towards the center, then led to upwardly enter an axial airflow inlet port formed at the bottom of the electric turbine axial fan, thereby being exhausted to the surroundings through radially-arranged exhaust blades, thus a cooling effect by the external cooling airflow can be provided to the top portion of a high power lamp, which is relatively hotter; when external wind power drives the turbine axial fan, the loading of electric motor can be lowered so as to reduce the electric power outputted by the electric motor.

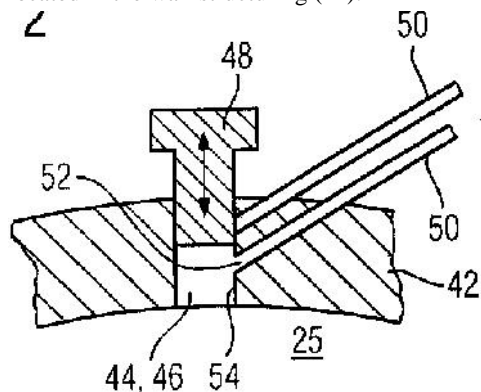
No. of Pages : 30 No. of Claims : 10

(54) Title of the invention : AXIAL TURBOCOMPRESSOR

(51) International classification	:F04D	(71)Name of Applicant :
(31) Priority Document No	:EP11169109	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:08/06/2011	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:EPO	MÜNCHEN Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DIRK MERTENS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention refers to an axial turbocompressor (18) having an annular compressor passage (25) which is arranged, concentrically around a rotational axis (12), is delimited radially on the outside by a passage wall (42) , and in which rotor blades (27) , which can be assembled to form a ring, are arranged in a rotatably mounted manner around the rotational axis (12), wherein the free-ending tips (29) of the rotor blades (27) lie opposite the passage wall (42) in each case, forming a gap, and the passage wall (42), in the axial section of the tips (29), at least partially has a wall structuring (44) and wherein a bleed opening (52) of a bleed passage (50) is provided in the passage wall (42) for the tapping of medium flowing in the compressor passage (25). In order to enable an exceptionally efficient bleed of medium flowing in the compressor passage (25), the bleed opening (52) is located in the wall structuring (44).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.486/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :02/05/2012

(43) Publication Date : 21/06/2013

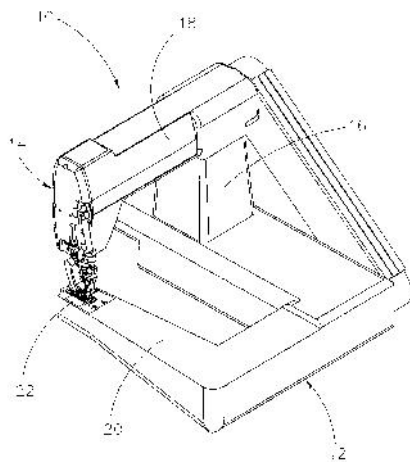
(54) Title of the invention : PRESSER DEVICE AND SEWING MACHINE COMPRISING SAID DEVICE

(51) International classification :D05B
(31) Priority Document No :VR2011A000110
(32) Priority Date :20/05/2011
(33) Name of priority country :Italy
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)VI. BE. MAC. S.P.A.
Address of Applicant :VIA MONTE PASTELLO, 7/I-37057
SAN GIOVANNI LUPATOTO (VERONA), ITALY
(72)**Name of Inventor :**
1)GUERRESCHI CARLO

(57) Abstract :

Presser device couplable with a sewing machine (10) having a control system and comprising a head (14) and a base (12) on which an article (50) to be sewn rests. The presser device comprises a presser bar (24) couplable with the head (14), and a presser foot (26), hinged through a pivot (28) on said presser bar (24) so as to vary the inclination of the presser foot (26) in respect to the presser bar (24). The presser foot (26) is fit to push the article (50) in order to maintain said article under pressure on the base (12) even if the thickness of the article (50) varies.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.885/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SERIES -CONNECTED MULTI-LEVEL POWER CONVERSION DEVICE

(51) International classification	:H01F	(71)Name of Applicant :
(31) Priority Document No	:2011-237705	1)KABUSHIKI KAISHA YASKAWA DENKI
(32) Priority Date	:28/10/2011	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)KATAYAMA TAISUKE
(61) Patent of Addition to Application Number	:NA	2)SUENAGA RYUJI
Filing Date	:NA	3)UME0 KAZUHIRO
(62) Divisional to Application Number	:NA	4)YAMAMOTO EIJI
Filing Date	:NA	

(57) Abstract :

A series-connected multi-level power conversion device according to an aspect of embodiments includes a multi winding transformer and a power conversion unit. The multi-winding transformer has a relationship that n secondary windings respectively connected to n single-phase power converters in the same output phase have a voltage phase difference of $60/n$ degrees and a relationship that the m secondary windings respectively connected to the m single-phase power converters corresponding to the m output phases have a voltage phase difference of $60/m$ degrees.

No. of Pages : 47 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.894/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : GAME DEVICE, GAME CONTROL METHOD, AND GAME CONTROL PROGRAM FOR CONTROLLING GAME ON THE BASIS OF A POSITION INPUT RECEIVED VIA TOUCH PANEL

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:2011-197628	1)SONY COMPUTER ENTERTAINMENT INC.
(32) Priority Date	:09/09/2011	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(33) Name of priority country	:Japan	TOKYO 108-0075, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAKAI KENJI
(87) International Publication No	: NA	2)YAMADA EIJI
(61) Patent of Addition to Application Number	:NA	3)KANETAKA KATSUYUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A game device includes an input position acquiring unit and a first game control unit. The input position acquiring unit acquires a position of an entry provided by a player to a touch panel, which can concurrently detect entries at a plurality of points. The first game control unit displays a plurality of objects and a sequence in which the objects should be erased on a screen image of a display device, and, in case that a position of an entry acquired by the input position acquiring unit is at a position corresponding to a position where an object to be erased next is displayed, erases the object from the screen image. The first game control unit includes: a single tap input control unit that, when an input on one object is acknowledged, erases the object; and a multiple-graphic-symbol-tap input control unit that, when inputs on a plurality of objects are acknowledged concurrently, erases those objects.

No. of Pages : 42 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.900/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : A PERMANENT MAGNET ROTOR FOR A ROTARY ELECTRIC MACHINE

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:MO2011A000252	1)MONTANARI GIULIO & C. S.R.L
(32) Priority Date	:30/09/2011	Address of Applicant :VIA BULGARIA 39/A 41122
(33) Name of priority country	:Italy	MODENA, ITALY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANTOVANI ALBERTO
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A permanent magnet rotor (3) for a rotary electric machine (1) comprises a rotor body (10) having a rotation axis (A) and a plurality of radial magnets (4), wherein the magnets (4) exhibit a head portion (5) located in proximity to an external surface (30) of the rotor body (10) and a base portion (6) facing towards the rotation axis (A). The base portion (6) of each magnet (4) has a width smaller than a width of the head portion (5).

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.510/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

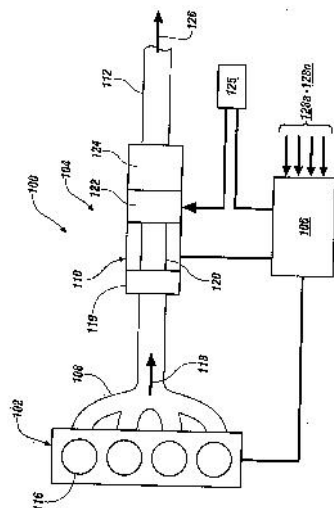
(43) Publication Date : 21/06/2013

(54) Title of the invention : EXHAUST AFTER TREATMENT SYSTEM AND METHOD FOR TREATING EXHAUST

(51) International classification	:G02B	(71)Name of Applicant :
(31) Priority Document No	:13/107367	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:13/05/2011	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)NASER I HINEITI
(87) International Publication No	: NA	2)STEVEN M. YOCUM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one exemplary embodiment of the invention an exhaust after treatment system is provided that includes an inlet housing, an inlet in the inlet housing configured to receive an exhaust gas flow from an internal combustion engine and an outlet in the inlet housing configured to direct the exhaust gas flow to a pollutant reduction device. The system also includes a deflector coupled to an inner surface of the inlet housing, the deflector configured to receive the exhaust gas flow from the inlet and uniformly direct the exhaust flow through the outlet and to the pollutant reduction device.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.496/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SHAFT SEALING RING FOR A BARRIER OIL SEALING SYSTEM OF A HYDROGEN-COOLED GENERATOR

(51) International classification

:F16C

:EP

(31) Priority Document No

11167707

(11167707.6)

(32) Priority Date

:26/05/2011

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2 80333

MÜNCHEN Germany

(72)Name of Inventor :

1)CHRISTOPHER CORDINER

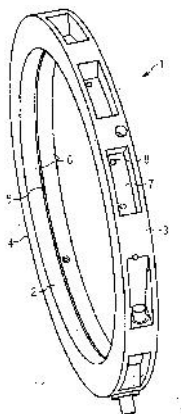
2)THOMAS GÜNTHER

3)CHRISTOPH LEHMANN

4)OLIVER MAJCHRZAK

(57) Abstract :

Shaft sealing ring for a barrier oil sealing system of a hydrogen-cooled generator A shaft sealing ring (1) for a barrier oil sealing system of a hydrogen-cooled generator is designed, in the installed state, to bear radially against a generator shaft by way of its running surface arranged on the inner side and to interact with the generator shaft, under the action of a barrier oil, with hydrogen sealing, characterized in that the shaft sealing ring (1) is produced from a lead bronze material.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.497/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : UNIVERSAL CARRIAGE FOR TRANSPORT CHAINS ON ASSEMBLY AND/OR FINISHING AND/OR SEWING LINES FOR FOOTWEAR

(51) International classification	:A43B	(71)Name of Applicant :
(31) Priority Document No	:MI2011U000145	1)ANZANI LANFRANCO
(32) Priority Date	:04/05/2011	Address of Applicant :VIA VILLORESI, 48 20015
(33) Name of priority country	:Italy	PARABIAGO (MILANO) ITALY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ANZANI LANFRANCO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Laterally of a universal carriage (1), vertical interchangeable uprights (5) are applied with possible extensions (5), on which various mutually spaced and differently interchangeable and modular support elements can be positioned, such as: little trays (6), trays (6) with side bumpers (7), tubular racks (7) with simple bumpers (7) and/or release bumpers (7) , contoured or shaped racks (8, 8) for footwear and/or footwear components. The position and the constraint of said interchangeable support elements (6, 6, 7, 8) on said uprights (5) and/or said extensions (5) takes place by means of normal screw means (4) or pins, or with elastic rings or by means of female interlocking couplings (9) on the male uprights (9) on the supports, or vice versa, of male interlocking couplings (10) on the female uprights (10) on the supports, or even with mixed couplings of both types.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.458/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : APPARATUS AT A FLAT CARD OR ROLLER CARD HAVING A CLOTHED CYLINDER AND AT LEAST ONE ADJACENT CLOTHED DOFFER

(51) International classification	:D01G
(31) Priority Document No	:102011113390.2
(32) Priority Date	:16/09/2011
(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)TRÜTZSCHLER GMBH & CO.KG.
Address of Applicant :DUVENSTRASSE 82-92, D-41199
MÖNCHENGLADBACH, Germany
(72)**Name of Inventor :**
1)HERR CHRISTOPH LEINDERS
2)HERR ROBERT PISCHEL

(57) Abstract :

In an apparatus at a flat card or roller card having a clothed cylinder, at least one adjacent clothed doffer and stripper roller, which co-operate with one another, with a small mutual spacing between the cylindrical surfaces (work spacing) at the fibre transfer locations, having a side part (side screen) arranged at both ends of the cylinder and immovably mounted on a frame, there is provided a displacement device for the doffer in order to set a predetermined work spacing using a setting device. In order, by means that are simple in terms of construction, to keep substantially constant, in any state of operation, the working gap between, on the one hand, the doffer and the cylinder and, on the other hand, the doffer and the stripper roller, for setting the work spacing the side part of the cylinder is coupled to the holding element for the doffer by at least one force transfer means, and mechanical means are associated with the holding element and with the holding device for the stripper roller, by which means the work spacing between the doffer and the stripper roller can be set.

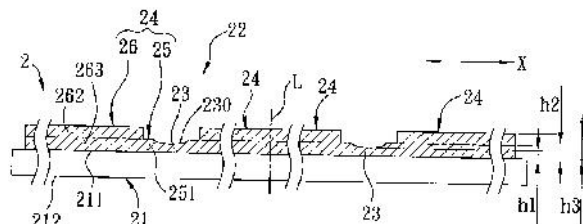
No. of Pages : 24 No. of Claims : 19

(54) Title of the invention : SOLAR CELL AND SOLAR CELL MODULE

(51) International classification	:H01L	(71)Name of Applicant :
(31) Priority Document No	:100139125	1)MOTECH INDUSTRIES INC.
(32) Priority Date	:27/10/2011	Address of Applicant :6F., NO. 248, SECTION 3, PEI-SHEN ROAD, SHENKENG DIST., NEW TAIPEI CITY, TAIWAN. POSTAL CODE 22204. Taiwan
(33) Name of priority country	:Taiwan	(72)Name of Inventor :
(86) International Application No	:NA	1)MING-TZU CHOU
Filing Date	:NA	2)CHIEN-WEN CHEN
(87) International Publication No	: NA	3)CHING-HAO TU
(61) Patent of Addition to Application Number	:NA	4)CHIH-CHIANG HUANG
Filing Date	:NA	5)KANG-CHENG LIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A solar cell module includes multiple solar cells (2) connected in series through wiring units (3). Each solar cell (2) includes a bus bar electrode (23) and multiple finger electrodes (24) disposed on a photoelectric conversion unit (21) converting solar energy into electrical energy. At least one finger electrode (24) has first and second conducting sections (25, 26) connected with each other. The first conducting section (25) is disposed between the bus bar electrode (23) and the second conducting section (26). The second conducting section (26) is thicker than the first conducting section and the bus bar electrode (23).



No. of Pages : 36 No. of Claims : 14

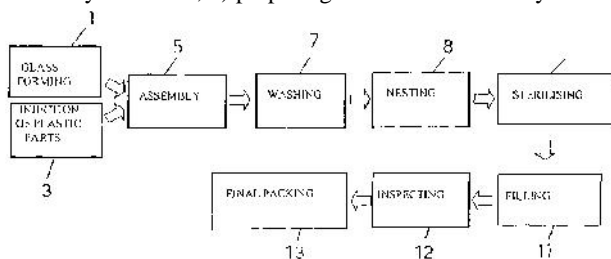
(54) Title of the invention : MANUFACTURING PROCESS FOR PACKING OF INJECTABLES

(51) International classification :B65B3/00,B65B55/02,A61J1/05
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/EP2010/060332
 Filing Date :16/07/2010
 (87) International Publication No :WO 2012/007056
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)STEVANATO GROUP INTERNATIONAL A.S.
 Address of Applicant :Agátová 22, 844 03 Bratislava, Slovakia
2)SAFETY SYRINGES INC.
 (72)Name of Inventor :
1)NICOLETTI, Fabiano
2)ANDREASSON, Christer

(57) Abstract :

The manufacturing process for packing of injectables for medical use, comprises in temporal sequence the steps of: a) forming (1) of glass primary containers, b) forming by plastic injection (3) of complementary devices (4), c) assembling (5) of the empty primary containers with corresponding complementary devices to form assembled devices (6), d) washing (7) the assembled devices with water for injection, e) nesting (8) the assembled devices in a tray (9), f) inserting said tray housing said assembled devices into a secondary container and closing said secondary container, g) sterilising (10) the assembled devices in the closed secondary container, h) preparing the closed secondary container for transportation to a remote site.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.555/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : ELECTRIC VEHICLE CHARGING STATION

(51) International classification	:H01M	(71) Name of Applicant :
(31) Priority Document No	:2011-111676	1)PANASONIC CORPORATION
(32) Priority Date	:18/05/2011	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)MASASHI TANAKA
Filing Date	:NA	2)AKIRA WATANABE
(87) International Publication 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 electric vehicle charging station includes a body with a box-like shape, and a power feeding unit accommodated in the body. The power feeding unit serves to feed electric power to a charging cable serving as a power feeding path to the electric vehicle. A holding part for holding at least a part of the charging cable except for an electric cable of the charging cable is provided on an outside of the body. Accordingly, it is possible to hold the part of the charging cable without reducing the number of the power feeding units that can be accommodated in the body.

No. of Pages : 42 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.840/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : MOUNTING SYSTEM OF A STATION, IN PARTICULAR A DOOR STATION, OF A HOUSE COMMUNICATION SYSTEM

(51) International classification

:H01R

(31) Priority Document No

:10 2011

108 925.3

(32) Priority Date

:27/07/2011

(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)ABB AG

Address of Applicant :KALLSTADTER STR.1, 68309

MANNHEIM, Germany

(72)Name of Inventor :

1)MICHAEL WIESE

2)ORTWIN SCHRAGE

(57) Abstract :

A mounting system of a station (1), in particular a door station, of a house communication system is proposed, wherein a device insert (3) of the station (1) comprises a mounting plate (12), the base side of said mounting plate being provided with two retaining brackets (16) that each comprise a guide arm (17) having a defined height (35) and width or more precisely material thickness (34), wherein an in-wall box (21) or an on-wall casing base part (22) of the station (1) comprises a mounting frame (23,23) having bent areas (28) on its lower side, which bent areas form guide connecting members (31) for engaging with the guide arms (17), wherein these guide connecting members (31) are provided on the insertion side with stops (29) in such a manner that narrowed insertion orifices (33) of the guide connecting members (31) are formed for inserting the guide arms (17), wherein the height of the guide connecting members (31) of the mounting frame (23, 23) is greater than the height (35) and the width (34) of the guide arms (17), wherein the height of the insertion orifices (33) of the guide connecting members (31) is greater than the width (34) but less than the height (35) of the guide arms (17).

No. of Pages : 23 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.575/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SPLASH COVER MOUNTING STRUCTURE

(51) International classification	:B62D	(71) Name of Applicant :
(31) Priority Document No	:2011-114224	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:20/05/2011	Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611, JAPAN
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:NA	1)MORITA, SATOSHI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A splash cover mounting structure is provided that can achieve cost saving and weight reduction by reduction of fastening members such as clips, and will not compromise the assembly workability. The configuration of a splash cover mounting structure (cover mounting structure 100) according to the invention includes a splash cover 120 including a first fixation surface 140 that can be fixed laterally to an engine compartment of an automobile and a second fixation surface 142 disposed below the engine compartment; and an under cover 154 for covering a bottom of the engine compartment, wherein the second fixation surface 142 includes: a provisional fixation pawl 130 that projects upward and can be provisionally fixed to a frame member of the automobile located below the engine compartment; and bottom fixation holes 126 and 128 that can be used to fasten the splash cover 120 to the frame member together with the under cover 154.

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

(54) Title of the invention : VEHICLE BUMPER

(51) International classification :B60R
 (31) Priority Document No :2011-114041
 (32) Priority Date :20/05/2011
 (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)SUZUKI MOTOR CORPORATION

Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611, JAPAN

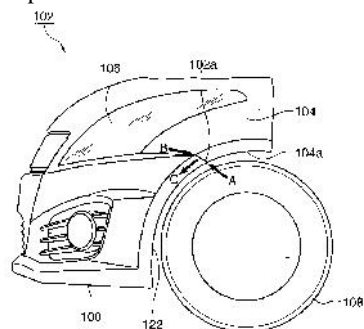
(72)Name of Inventor :

1)MIZOGUCHI, HIROO

2)YAMASHITA, YUSUKE

(57) Abstract :

A vehicle bumper is provided that can increase the rigidity while ensuring a superior drainage capability in the vicinity of the location where the bumper is attached to a side face member. A vehicle bumper 100 includes a middle portion 110 extending in vehicle width direction, two lateral portions 120a and 120b extending from the two ends of the middle portion 110 towards side face members (front fender panels 104), an upper flange 130 protruding inward, with respect to a vehicle body, from an upper edge 124 of the lateral portions 120a and 120b, an attachment flange 132 that is continuous with the upper flange 130 near an end of the lateral portions 120a and 120b and protruding further inside the vehicle body than the upper flange 130, a long groove 140 formed by a depression in an upper face of the upper flange 130 near the attachment flange 132 along the upper edge 124 of the lateral portions 120a and 120b, at least one rib 142 that partitions the long groove 140 in vehicle width direction into a plurality of depressions 140a and 140b, and a plurality of water drainage holes 144a and 144b formed respectively in the plurality of depressions 140a and 140b.



No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.500/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : PRESSURIZING TYPE PEN

(51) International classification	:B43K	(71) Name of Applicant :
(31) Priority Document No	:2011-193633	1)MICRO CO., LTD.
(32) Priority Date	:06/09/2011	Address of Applicant :9-17, KAMATAHONCHO 2-CHOME, OHTA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:NA	1)HOSOYA TOMOHIRO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pressurizing type pen that enables to pressurize a rear space of a refill when the refill is advanced to a writing position by knocking operation, wherein the refill can be moved to the writing position while a sealing member closing a vent path is not in slidably contact with an outer periphery face of the refill. In the pressurizing type pen, a compression cylinder 26 is fitted to a rear portion of a refill holder 23 which holds the refill. Inside the refill holder 23, a return spring holder 25 holding an airtight 24 is inserted. When the compression cylinder 26 advances, the refill holder 23 also advances and presses the airtight 24 to bring the inner face of the airtight into closely contact with the refill to close a vent path 32. When the compression cylinder 26 further advances, the rear space of the refill 2 is pressurized by a compression chamber 53 disposed at the compression cylinder 26. Then, following the advance movement of the compression cylinder 26, the airtight 24 and return spring holder 25 advance together with the refill holder 23 and the refill 2, and the refill 2 can thereby be maintained at the writing position.

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.634/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 21/06/2013

(54) Title of the invention : DRIVE SYSTEM FOR A WIND TURBINE

(51) International classification	:H01L	(71) Name of Applicant :
(31) Priority Document No	:EP11172095	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	(11172095.9)	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:30/06/2011	MÜNCHEN Germany
(86) International Application No	:EPO	(72) Name of Inventor :
Filing Date	:NA	1)RALF MARTIN DINTER
(87) International Publication No	:NA	2)ARNO KLEIN-HITPASS
(61) Patent of Addition to Application Number	:NA	3)JAN-DIRK REIMERS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A drive system for a wind turbine has a transmission unit comprising at least one planet wheel stage which has a hollow wheel, several planet wheels, a planet carrier and a sun wheel. Furthermore, a first shaft associated with the transmission unit is provided which has a coupling flange that can be connected to a driven machine shaft or rotor shaft and which is mounted above the planet carrier. The transmission unit and a motor unit or generator unit connected to a second shaft of the transmission unit are surrounded by a gear case. Additionally the motor unit or generator unit comprises a rotor connected in rotationally fixed manner to a hollow rotor shaft. A motor-side or generator-side end section of the second shaft of the transmission unit is concentrically surrounded by the hollow rotor shaft and connected thereto by means of a coupling or clamping connection arranged inside the hollow rotor shaft. A gear case connecting piece is arranged between transmission unit and motor unit or generator unit, and concentrically surrounds a transmission-side end section of the hollow rotor shaft and forms a bearing seat for a bearing arrangement associated with the hollow rotor shaft. The second shaft of the transmission unit is also mounted by means of this bearing arrangement.

No. of Pages : 35 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.559/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/05/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONSTRUCTION WORK UNIT AND METHOD FOR ERECTING A MAST

(51) International classification	:E04H	(71) Name of Applicant :
(31) Priority Document No	:11004737.0	1)BAUER MASCHINEN GMBH
(32) Priority Date	:09/06/2011	Address of Applicant :BAUER-STR.1, 86529
(33) Name of priority country	:EPO	SCHROBENHAUSEN, Germany
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)LANZL, MARTIN
(87) International Publication No	: NA	2)ANGERMEIER, MANFRED
(61) Patent of Addition to Application Number	:NA	3)HAAS, JOSEF
Filing Date	:NA	4)WITTMANN, CHRISOPH
(62) Divisional to Application Number	:NA	5)MIEHLING, CHRISTIAN
Filing Date	:NA	

(57) Abstract :

The invention is a construction work unit, in particular a drilling unit, with a carrier vehicle, a mast rotatably mounted on the carrier vehicle about a pivot axis, which mast can be pivoted between an erect operating position and an inclined transport position, and at least one erection cylinder for pivoting the mast between the operating position and the transport position. The invention is characterised in that for pivoting the mast in addition to the at least one erection cylinder an erection cable is provided which is guided via a cable deflection pulley arranged on the mast and on the one hand can be arranged on the carrier vehicle and on the other hand on a carriage which can be moved along the mast, and in that in order to apply a pulling force to the erection cable via the cable deflection pulley an erection force can be transferred to the mast in the direction of its operating position. The invention further relates to a method for erecting a mast of a construction work unit.

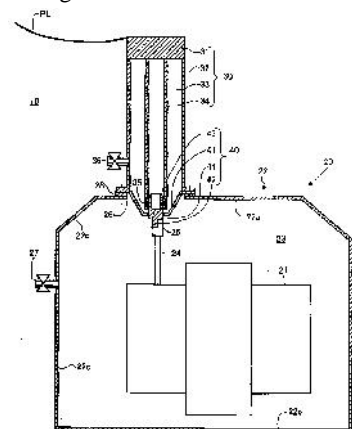
No. of Pages : 18 No. of Claims : 15

(54) Title of the invention : STATIONARY INDUCTION ELECTRIC APPARATUS AND MANUFACTURING METHOD THEREOF

(51) International classification	:H01H	(71)Name of Applicant :
(31) Priority Document No	:2011-169074	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:02/08/2011	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO 105-8001 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KEI TAKANO
(87) International Publication No	: NA	2)SHIN YAMADA
(61) Patent of Addition to Application Number	:NA	3)OSAMU HOSOKAWA
Filing Date	:NA	4)TAKESHI CHIGIRI
(62) Divisional to Application Number	:NA	5)KIYOKATSU AKIMOTO
Filing Date	:NA	

(57) Abstract :

A stationary induction electric apparatus includes a porcelain tube, a connection conductor, a conductor, a casing, a lead, a terminal, a spacer, an electric connection member and a first and a second insulating medium. The connection conductor is disposed at one end of the porcelain tube. The conductor is disposed in the porcelain tube, and connected to the connection conductor. The casing covers a stationary induction electric apparatus main body, and has an opening part. The lead extends from the main body to the opening part. The terminal is disposed at an end part of the lead. The spacer seals the other end of the porcelain tube and the opening part. The member includes an electrode connected to the terminal and a joint part connected to the conductor, and penetrates the spacer. The first and second insulating media are respectively filled in the porcelain tube and the casing.



No. of Pages : 34 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.612/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :29/05/2012

(43) Publication Date : 21/06/2013

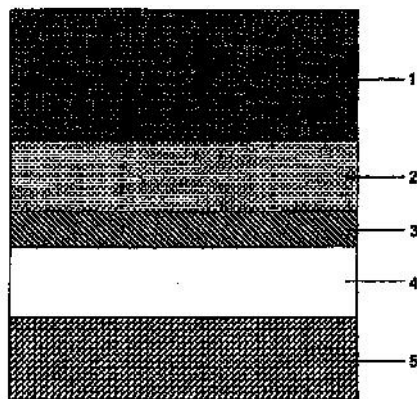
(54) Title of the invention : SOLAR CELL MODULE

(51) International classification :H01L
(31) Priority Document No :102011050776.0
(32) Priority Date :31/05/2011
(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)SCHOTT SOLAR AG
Address of Applicant :HATTENBERGSTRASSE 10, D-
55122 MAINZ, Germany
(72)**Name of Inventor :**
1)HENNING NAGEL
2)RALF GÜLDNER

(57) Abstract :

The invention relates to a solar cell module comprising electrically interconnected solar cells (3) with front and backs, a transparent first layer (2) running along the front sides, which is covered on the front laterally by a transparent cover (1), as well as a second layer (4) running along the backsides, which is covered at the back by a second cover (5). In order to prevent and/or minimize a potential-induced reduction to a large extent and/or obtain an improved stability vis-à-vis thermo-cycling, it is suggested that first layer (2) consists of a first polymer material and the second layer (4) consists of a second polymer material deviating from the first polymer material and the fact that specific resistance is larger p1 of the first material is greater than specific resistance p2 of the second material.



No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.700/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONNECTION MODULE FOR A BAR WOUND STATOR ASSEMBLY AND METHOD OF MANUFACTURING A BAR WOUND STATOR ASSEMBLY

(51) International classification :H02K
(31) Priority Document No :13/240417
(32) Priority Date :22/09/2011
(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)GM GLOBAL TECHNOLOGY OPERATIONS LLC
Address of Applicant :300 GM RENAISSANCE CENTER
DETROIT, MICHIGAN 48265-3000 U.S.A.
(72)Name of Inventor :
1)PAUL F. TURNBULL
2)RODNEY CARMEN MALONE
3)STEPHEN R. SMITH
4)FREDERICK W. RHOADS
5)EDWARD L. KAISER
6)RICHARD ROBERTSON
7)BRIAN SCHULZE

(57) Abstract :

A bar wound stator assembly includes a connection module attached to a stator core at a weld end of the stator assembly. The connection module provides all required electrical connections to connect shaped plurality of hairpin bar connectors of the stator assembly within a first pole pair of a winding set of conductors. All of the hairpin bar conductors include an identical span. The connection module completes each phase of the winding set, to connect each phase of the winding set to define a connection configuration, e.g., a wye or a delta connection configuration, and to connect the stator assembly to all external connections.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.629/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : CONSTRUCTION MACHINE

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:2011-141673	1)HITACHI CONSTRUCTION MACHINERY CO., LTD.
(32) Priority Date	:27/06/2011	Address of Applicant :5-1, KORAKU 2-CHOME,
(33) Name of priority country	:Japan	BUNKYO-KU, TOKYO 112-0004 JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)URASE KOUHEI
(87) International Publication No	: NA	2)UMIZAKI, YUUKI
(61) Patent of Addition to Application Number	:NA	3)MOTOZU, MAKOTO
Filing Date	:NA	4)IRINO, TERUO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A standard weight (14) is attached to a weight attaching member (6) of a revolving frame (5) by using a standard weight bolt (18), and an additional weight (20) is attached to a rear surface (14A) of the standard weight (14) by using an additional weight bolt (22). In the additional weight (20), a standard weight bolt inserting/removing hole (23A, 23B, 23C) is provided at a position opposing a standard weight bolt through hole (17A, 17B, 17C) provided in the standard weight (14). As a result, even if the additional weight (20) is attached to the standard weight (14), an inspection work and a retightening work of the standard weight bolt (18) can be performed through the standard weight bolt inserting/removing hole (23A, 23B, 23C).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.63/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : EVAPORATIVE HEAT EXCHANGE APPARATUS WITH FINNED ELLIPTICAL TUBE COIL ASSEMBLY

(51) International classification :F28D5/02,F28F1/02,F28F1/30
(31) Priority Document No :12/838,003
(32) Priority Date :16/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043351
Filing Date :08/07/2011
(87) International Publication No:WO 2012/009221
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)EVAPCO, INC.
Address of Applicant :5151 Allendale Lane, Taneytown, MD 21787 U.S.A.
(72)**Name of Inventor :**
1)BUGLER, Thomas, William
2)VADDER, Davey, Joe

(57) Abstract :

An improved finned coil tube assembly (24, 24A, 24B, 24C, 24D) enhances evaporative heat exchanger (26, 26A, 26B, 26C, 26D) performance, and includes tubes (10), preferably serpentine tubes, in the coil assembly. The tubes have a generally elliptical cross-section with external fins (20) formed on an outer surface of the tubes. The fins are spaced substantially 1.5 to substantially 3.5 fins per inch (2.54 cm) along the longitudinal axis (13) of the tubes, extend substantially 23.8% to substantially 36% of the nominal tube outside diameter in height from the tubes outer surface and have a thickness of substantially 0.007 inch (0.018 cm) to substantially 0.020 inch (0.051 cm). The tubes have a center-to-center spacing (DH) generally horizontally and normal to the longitudinal axis of the tubes of substantially 109% to substantially 125% of the nominal tube outside diameter, and a generally vertical center-to-center spacing (Dv) of substantially 100% to about 131 % of the nominal tube outside diameter.

No. of Pages : 55 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.72/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 21/06/2013

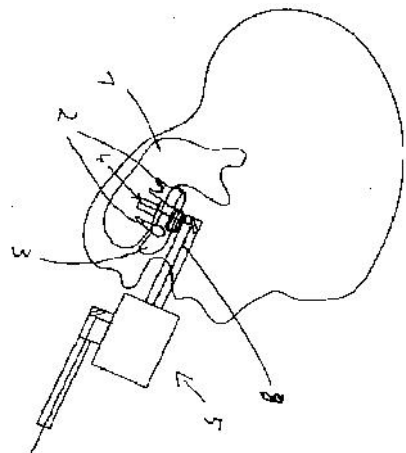
(54) Title of the invention : SYSTEM FOR ABLATING MATERIAL IN THE ORAL CAVITY

(51) International classification :A61C1/00,A61C1/08,A61B18/20
(31) Priority Document No :10 2010 026 288.9
(32) Priority Date :06/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/055742
Filing Date :12/04/2011
(87) International Publication No :WO 2012/004018
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JO, Yong-min
Address of Applicant :Tusmannstrasse 38, 40477
Düsseldorf Germany
(72)Name of Inventor :
1)JO, Yong-min

(57) Abstract :

The invention relates to a method for ablating solid material in the oral cavity, in particular jaw bones. Known systems have disadvantages in respect of accuracy and damage to the surrounding tissue. The aim of the invention is to provide a system which allows for simple, safe, gentle, reliable and accurate ablation. The aim is achieved by the use of a fixing device, in particular a dental splint, and an insertion device which can be rigidly connected thereto and is designed in particular to introduce laser radiation and thereby ablate material. After being connected, the insertion device has a fixed, in particular predetermined, position.



No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.829/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : VEHICLE BODY STRUCTURE

(51) International classification	:B62D
(31) Priority Document No	:2011-165941
(32) Priority Date	:28/07/2011
(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)SUZUKI MOTOR CORPORATION

Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611 JAPAN

(72)**Name of Inventor :**

1)KATSUYAMA HIROYUKI

(57) Abstract :

An object of the invention is to provide a vehicle body structure that can prevent damage of a floor panel when subjected to a load. A vehicle body structure 100 according to the present invention includes a frame member on which a fuel container 104 is loaded, and a rear floor of a body of a vehicle that supports the frame member 116, the vehicle body structure 100 further including: a pair of side members 112a and 112b that are disposed on opposite sides of a bottom face of the rear floor 106 with respect to the width direction of the vehicle and extend in the front-rear direction of the vehicle, each of the side member-s 112a and 112b having a flange 140, 142 protruding toward the interior of the vehicle; a spare tire housing portion 110 formed by a portion of the rear floor 106 having been recessed downward between the pair of side members 112a and 112b; and a bent first reinforcement 130, 132, a first end 130a, 132a of the first reinforcement being welded so as to overlap the flange of one of the side members 112a and 112b and the rear floor 106 and a second end 130b, 132b thereof being welded so as to overlap a vertical wall 146 of the spare tire housing portion 110.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.68/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 21/06/2013

(54) Title of the invention : PARKING ASSIST APPARATUS AND METHOD

(51) International classification	:B60R21/00	(71) Name of Applicant :
(31) Priority Document No	:2010-134040	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:11/06/2010	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/JP2011/062234	(72) Name of Inventor :
Filing Date	:27/05/2011	1)Teruhisa TAKANO
(87) International Publication No	:WO 2011/155349	2)Daisuke TANAKA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to carry out parking assistance even in a circumstance where an end part of a vehicle makes contact with an obstacle, a space (101) where parking is possible is set; a target parking location within the space (101) where parking is possible is set; and, if it is determined that an end part of the vehicle makes contact with an end part of the space (101) where parking is possible when the vehicle is being driven in order to park in the target parking location, the angle of entry (1) of the host vehicle with respect to the space (101) where parking is possible is changed, and a parking trajectory on which the host vehicle is driven toward a non-final target parking location (102) computed, such that the end part of the host vehicle is driven away from an end part of a front end point (P) of the space (101) where parking is possible and toward a target parking location (102).

No. of Pages : 51 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.883/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/08/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR RESOURCE MANAGEMENT FOR OPERATOR SERVICES AND INTERNET

(51) International classification	:H04w	(71) Name of Applicant :
(31) Priority Document No	:13/330,332	1)CISCO TECHNOLOGY, INC.
(32) Priority Date	:19/12/2011	Address of Applicant :170 WEST TASMAN DRIVE SAN
(33) Name of priority country	:U.S.A.	JOSE, CALIFORNIA 95134 U.S.A.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)KODLI, RAJEEV
(87) International Publication No	: NA	2)GIBBS, ANDREW S.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method is provided in one example embodiment and includes providing a multi-radio connectivity service to a mobile subscriber, and managing the multi-radio connectivity service for the mobile subscriber. The managing can include: providing admission control; providing privileged subscriber access at a plurality of WiFi access points; providing signaling for quality of service (QoS) equivalence across a WiFi network and a mobile network; and distributing certain traffic based on a policy.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.863/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 21/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING LOADS ON A DUAL MASS FLYWHEEL ATTACHED TO AN ENGINE BASED ON ENGINE SPEED

(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:13/242,121	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:23/09/2011	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)WILLIAM L. COUSINS
(87) International Publication No	: NA	2)JAMES M. PARTYKA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system according to the principles of the present disclosure includes an engine speed module and a downshift indicator module. The engine speed module determines an engine speed when a clutch is engaged with a dual mass flywheel. The downshift indicator module generates a downshift indicator signal when the engine speed is less than a first speed, the downshift indicator signal indicating when to downshift a manual transmission.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.79/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

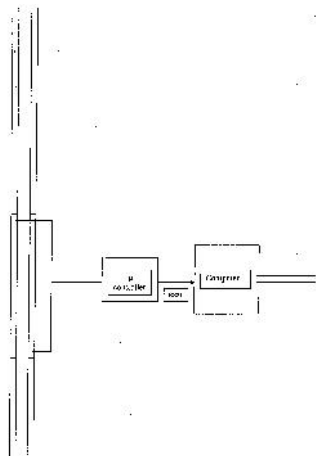
(43) Publication Date : 21/06/2013

(54) Title of the invention : PC BASED VEHICLE DETECTION CUM DATA LOGGING SYSTEM

(51) International classification	:G05B19/048	(71) Name of Applicant :
(31) Priority Document No	:NA	1)RATAN KUMAR BISWAS
(32) Priority Date	:NA	Address of Applicant :6/25, RAJKRISHNA KUMAR
(33) Name of priority country	:NA	STREET, P.O. BELURMATH, DIST. HOWRAH, PIN-711202
(86) International Application No	:NA	West Bengal India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)RATAN KUMAR BISWAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Due to change of weather condition such as rain humidity rise of temperature etc ballast resistance is changed causing failure of track circuits. Due to variation of ballast resistances the in open track, DC voltages are adjusted for properly working. In view of above disadvantage in DC Track circuits an improved type dc track circuit has been developed. The PC based dc vehicle detection system is simple compact high reliable, along with data logging system. It reads the resistance between two track read and drive other devices along with visual indication Having fail safe condition. It is also chipper, low maintenance cost.



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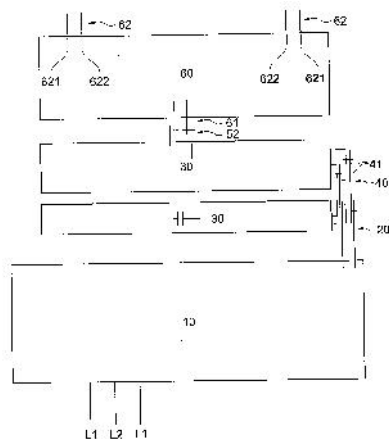
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(54) Title of the invention : ARRANGEMENT FOR CURRENT CONVERSION WITH AN INVERTER

(51) International classification	:G05B	(71)Name of Applicant :
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(33) Name of priority country	:EPO	ZWANENBURG, THE NETHERLANDS
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PETER WALLMEIER
(87) International Publication No	: NA	2)ALEXANDER SATZER
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(57) Abstract :

An arrangement for converting current is provided, wherein the terminals of the primary side are led out from the high-current transformer on a first side of the high-current transformer, and the terminals of the secondary side are led out from the high-current transformer on a second side of the high-current transformer. The inverter is arranged on the first side of the high-current transformer and the at least one capacitor is arranged on the second side of the high-current transformer, and the at least one first terminal of the secondary side of the high-current transformer is connected directly, without an intermediately connected electrical line, with the first terminal of the at least one capacitor.



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

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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	256421	5009/DELNP/2005	03/05/2004	02/05/2003	A METHOD FOR AUTHENTICATING AN INTERACTIVE STORAGE MEDIUM AND AN OPTICAL MEDIUM THEREFOR	LG ELECTRONICS INC.	28/09/2007	DELHI
2	256426	4887/DELNP/2006	25/02/2005	25/02/2004	NOVEL BACILLUS THURINGIENSIS CRYSTAL POLYPEPTIDES POLYNUCLEOTIDES, AND COMPOSITIONS THEREOF	PIONEER HI-BRED INTERNATIONAL, INC.	27/04/2007	DELHI
3	256427	2445/DELNP/2007	20/12/2005	24/12/2004	A LIQUID EVAPORATING SYSTEM AND A MEHTDOD OF EVAPORATING LIQUID IN SAID SYSTEM	HONG,JEONG-HO	04/05/2007	DELHI
4	256428	787/DELNP/2007	30/08/2005	01/09/2004	PRINTING MATERIAL CONTAINER	SEIKO EPSON CORPORATION	03/08/2007	DELHI
5	256429	2461/DELNP/2006	22/12/2003	07/01/2003	A PROCESS OF PRODUCING HIGH-PURITY TEREPHTHALIC ACID	MITSUBISHI CHEMICAL CORPORATION	03/02/2012	DELHI
6	256430	2814/DEL/2006	28/12/2006		A PROCESS FOR PRODUCING COLOUR FILTERS	LANXESS DEUTSCHLAND GMBH	01/08/2008	DELHI
7	256432	221/DELNP/2004	28/05/2003	31/05/2002	A HEMOSTATIC COMPOSITION	MATERIALS MODIFICATION, INC.	30/10/2009	DELHI
8	256433	4833/DELNP/2008	10/11/2006	25/11/2005	PROCESS OIL COMPOSITION, OIL-EXTENDED ELASTOMER CONTAINING THE SAME AND OLEFIN-BASED THERMOPLASTIC ELASTOMER COMPOSITION	MITSUI CHEMICALS, INC.,	15/08/2008	DELHI
9	256434	4681/DELNP/2006	17/02/2005	17/02/2004	A PROCESS FOR MANUFACTURING A MACROCYCLIC COMPOUND	JOHNSON, THOMAS, E.,FOWLER, BILLY, T.	15/06/2007	DELHI
10	256435	6733/DELNP/2006	13/05/2005	13/05/2004	ELECTRODEIONIZATI ON DEVICE AND METHODS OF USE	SEIMENS WATER TECHNOLOGIES HOLDING CORP	31/08/2007	DELHI

11	256436	9249/DELNP/2007	02/06/2006	02/06/2005	FK 228 DERIVATES AS HDAC INHIBITORS	UNIVERSITY OF SOUTHAMPTON	18/01/2008	DELHI
12	256438	1572/DEL/2007	26/07/2007	25/09/2006	A GEL POLYMER ELECTROLYTE	LG CHEM, LTD.	04/04/2008	DELHI
13	256440	4912/DELNP/2007	28/12/2005	28/12/2004	A FILTRATION MEDIUM	E.I. DU PONT DE NEMOURS AND COMPANY	10/08/2007	DELHI
14	256442	2194/DEL/2004	04/11/2004	05/11/2003	2-HALOGEN-6-ALKYL-PHENYL-SUBSTITUTED TETRAMIC COMPOUNDS AND PROCESS FOR PREPARING THE SAME	BAYER CROPSCIENCE AG	11/12/2009	DELHI
15	256444	3117/DELNP/2005	04/02/2004	10/02/2003	SENSING DEVICE	KBA-NotaSys SA	11/09/2009	DELHI
16	256454	1320/DELNP/2005	06/10/2003	04/10/2002	GAS COMPRESSOR WITH DRIER	MTM, S.R.L.	19/11/2010	DELHI
17	256457	2789/DELNP/2007	31/08/2005	18/09/2004	A METHOD FOR PRODUCTION A COMPONENT BY PRESS-MOLDING OF A FIRST AND A SECOND MATERIAL LAYER	FAURECIA INNENRAUM SYSTEME GMBH	17/08/2007	DELHI
18	256459	1668/DELNP/2004	09/12/2002	21/12/2001	CIRCUIT ARRANGEMENT HAVING A TUNER	THOMSON LICENSING S.A.,	23/03/2007	DELHI
19	256461	1234/DELNP/2006	09/09/2004	09/09/2004	AN OPTICAL DEVICE AND METHOD THEREOF	LUMUS LTD.	13/07/2007	DELHI
20	256463	327/DEL/2003	21/03/2003	19/04/2002	A METHOD AND AN APPARATUS FOR DESIGNING A SOUND SYSTEM FOR A FACILITY	BOSE CORPORATION	31/07/2009	DELHI

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1	256431	2241/MUMNP/2008	10/05/2007	07/06/2006	METHOD AND DEVICE FOR DEMODULATION OF SIGNALS	ABB AB	20/02/2009	MUMBAI
2	256439	387/MUM/2008	25/02/2008		ONE POT PROCESS FOR PREPARATION OF MECLIZINE HYDROCHLORIDE	FDC LIMITED	09/10/2009	MUMBAI
3	256447	1693/MUMNP/2008	07/02/2007	24/02/2006	AN AQUEOUS LAUNDRY LIQUID DETERGENT FORMULATION	HINDUSTAN UNILEVER LIMITED	15/05/2009	MUMBAI
4	256452	801/MUMNP/2008	26/10/2006	26/10/2005	ASSEMBLY FOR ACCOMMODATING A PROBE	ENDRESS+HAUSER CONDUCTA GESELLSCHAFT FUER MESS-UND REGELTECHNIK MBH+CO. KG	27/06/2008	MUMBAI
5	256455	2373/MUM/2008	07/11/2008		INK COMPOSITION AND A BALL POINT PEN COMPRISING THE SAME	SHAH MANISH BABULAL, SHAH SWETAL MANISH, MALSHE VINOD CHINTAMANI	05/02/2010	MUMBAI
6	256456	1796/MUMNP/2009	28/03/2008	29/03/2007	SEPARATION OF OLEFINS FROM OLEFINS/PARAFFINS MIXED GAS	KOREA INSTITUTE OF ENERGY RESEARCH, SK ENERGY CO. LTD	21/05/2010	MUMBAI
7	256458	398/MUMNP/2009	21/08/2007	23/08/2006	2-METHYLMORPHOLINE PYRIDO-, PYRAZO- AND PYRIMIDO-PYRIMIDINE DERIVATIVES AS MTOR INHIBITORS	KUDOS PHARMACEUTICALS LIMITED	15/05/2009	MUMBAI
8	256466	2530/MUM/2007	24/12/2007	29/12/2006	METHOD FOR ONLINE SERVICING OF A FIELD DEVICE OF AUTOMATION TECHNOLOGY	CODE WRIGHTS GMBH	05/06/2009	MUMBAI

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1	256420	3012/CHENP/2004	12/06/2003	13/06/2002	COPPER-TIN-OXYGEN BASED ALLOY PLATING	NIHON NEW CHROME CO., LTD, YKK SNAP FASTENERS JAPAN CO LTD	17/02/2006	CHENNAI
2	256423	399/CHE/2005	08/04/2005		SYSTEM AND METHOD FOR DELIVERY REPORT IN INSTANT MESSAGING	SAMSUNG ELECTRONICS CO., LTD., INDIA SOFTWARE OPERATIONS (SISO)	08/06/2007	CHENNAI
3	256424	368/CHE/2006	02/03/2006 13:06:54		PRODUCT FROM LIGNOCELLULOSIC WASTE FOR THE REMEDIATION OF WATER CONTAMINATED WITH HEAVY METALS	INDIAN COUNCIL OF AGRICULTURAL RESEARCH	07/12/2007	CHENNAI
4	256425	663/CHE/2005	01/06/2005		AN ACCELEROMETER	INDIAN INSTITUTE OF SCIENCE	27/07/2007	CHENNAI
5	256443	4078/CHENP/2006	03/05/2005	05/05/2004	METHOD AND APPARATUS FOR SELECTING ITEMS FROM A COLLECTION OF ITEMS	KONINKLIJKE PHILIPS ELECTRONICS N.V.	15/06/2007	CHENNAI
6	256446	3545/CHENP/2006	25/03/2005	26/03/2004	FIBER REINFORCED THERMOPLASTIC SHEETS WITH SURFACE COVERINGS	AZDEL, INC., GENERAL ELECTRIC COMPANY	15/06/2007	CHENNAI
7	256451	2052/CHENP/2008	20/10/2006	25/10/2005	PROCESS FOR PREPARING ALKYLAMINES BY REACTING OLEFINS WITH AMMONIA	BASF SE	27/02/2009	CHENNAI
8	256453	1804/CHE/2006	28/09/2006		METHOD OF OPTIMIZING AUTHENTICATION PROCEDURE DURING INTER ACCESS SYSTEM HANDOVERS USING TEMPORARY IDENTITY	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI

9	256460	440/CHE/2008	21/02/2008 15:27:52	21/02/2007	EFFICIENT TRANSMISSION OF PRESENCE UPDATE INFORMATION TO PRESENCE SERVICE CLIENTS	RESEARCH IN MOTION LIMITED	11/09/2009	CHENNAI
10	256462	607/CHENP/2008	26/06/2006	06/07/2005	LINEAR GUIDING SYSTEM COMPRISING A POSITION MEASURING DEVICE	SCHNEEBERGER HOLDING AG	28/11/2008	CHENNAI
11	256464	2757/CHENP/2006	14/01/2005	20/01/2004	MULTI-BAND ANTENNA SYSTEM	SIERRA WIRELESS, INC	08/06/2007	CHENNAI
12	256465	1150/CHENP/2007	19/08/2005	19/08/2004	BLOCK-OUT COVER AND REMOVAL TOOL	PANDUIT CORP.	17/08/2007	CHENNAI

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1	256422	3352/KOLNP/2006	12/07/2005	20/07/2004	A METHOD OF CONTROLLING WASHING MACHINE	LG ELECTRONICS INC.	15/06/2007	KOLKATA
2	256437	3993/KOLNP/2007	28/04/2006	29/04/2005	COATED METALLIC BASE BODY AND PROCESS OF COATING WITH LAYER OF FIBROUS MATERIAL	HORT COATING CENTER SA	02/01/2009	KOLKATA
3	256441	567/KOLNP/2008	24/07/2006	22/07/2005	COMPOUNDS AND THEIR SALT SPECIFIC TO THE PPAR RECEPTORS AND THE EGF RECEPTORS AND THEIR USE IN THE MEDICAL FIELD	GIULIANI INTERNATIONAL LIMITED	14/11/2008	KOLKATA
4	256445	3832/KOLNP/2006	28/06/2005	28/06/2004	OXYGEN SCAVENGING COMPOSITION AND METHOD FOR MAKING SAME	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	22/06/2007	KOLKATA
5	256448	1074/KOLNP/2006	05/10/2004	15/10/2003	CUTTING INSERT FOR HIGH SPEED FACE MILLING	TDY INDUSTRIES, INC.	20/04/2007	KOLKATA
6	256449	2053/CAL/1997	29/10/1997	13/12/1996	DEVICE AT CARD FOR TEXTILE FIBRES, FOR EXAMPLE, COTTON, CHEMICAL FIBRES OR SIMILAR THINGS MADE OF COVER BARS (RODS) PROVIDED WITH MOUNTINGS	TRUTZSCHLER GMBH & CO. KG	31/10/2008	KOLKATA
7	256450	32/KOL/2006	13/01/2006	20/01/2005	MERCAPTOSILANES AND A PROCESS OF PREPARATION OF THE SAME	DEGUSSA AG	03/08/2007	KOLKATA
8	256467	855/KOLNP/2007	20/09/2005	01/10/2004	PERFUMING OR FLAVOURING MICROCAPSULES COMPRISING AN EXPLOSION SUPPRESSANT	FIRMENICH SA	13/07/2007	KOLKATA
9	256468	1350/KOL/2006	12/12/2006		A WATER SOLUBLE POLYELECTROLYTE POLY-2-VINYL PYRIDINE HYDRIODIC ACID	NEELOTPAL SEN SARMA,NARENDRA NATH DASS,PRAFULLA CHETRI	08/05/2009	KOLKATA
10	256469	1718/KOLNP/2004	09/05/2003	13/05/2002	NOVEL SUBSTITUTED SULFAMATE ANTICONVULSANT DERIVATIVES	JANSSEN PHARMACEUTICAL N.V.	03/04/2009	KOLKATA

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