

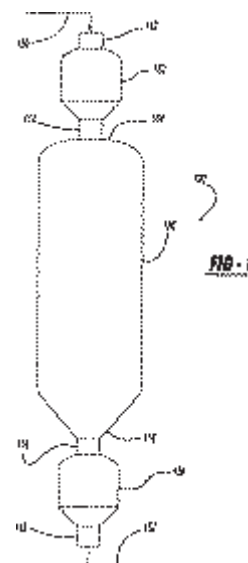
(21) 550418 (22) 8 Apr 2005  
 (54) Liquid concentrated formula  
 (86) PCT/NL2005/000269 (87) WO2005/096845  
 (51) IPC7:A23L1/29  
 (71) N.V. Nutricia  
 (72) Molenaar, Marika Joanne Bernadette;  
 (31) 04076132 (32) 9 Apr 2004 (33) EP  
 (74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) A liquid complete nutritional composition suitable for feeding cachectic patients, having an energy density of at least 1.45 kcal/ml comprising: a carbohydrate fraction in an amount of 17-27 g per 100 ml; an intact protein fraction in an amount of 8.2-11 g per 100 ml; and a lipid fraction; wherein at least 70 wt.% of the intact protein fraction is obtained by demineralising milk, and the protein fraction comprises between 25 and 37 wt.% of whey proteins. Further provided is a process for producing the liquid composition and a packaged food product comprising the composition.

(21) 550430 (22) 26 Apr 2005  
 (54) Cancer treatment using viruses and camptothecins  
 (86) PCT/US2005/014144 (87) WO2005/113018  
 (51) IPC7:A61K39/12,385  
 (71) Wellstat Biologics Corporation  
 (72) Lorence, Robert M; Roberts, Michael S;  
 (31) 04 565631 (32) 27 Apr 2004 (33) US  
 (74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Provided is the use of a combination comprising a virus and a camptothecin compound in the manufacture of a medicament for treating a subject with a neoplasm; wherein the virus is selected from the group consisting of a Newcastle disease virus, a measles virus, a vesicular stomatitis virus, an influenza virus, a Sindbis virus, a picornavirus, and a myxoma virus. Further provides is similar use for treating a subject in combination with a monoclonal antibody.

(21) 550501 (22) 13 Apr 2005  
 (54) Use of a fermentation product of propionic acid bacterium for treating inflammatory bowel diseases  
 (86) PCT/JP2005/007183 (87) WO2005/099725  
 (51) IPC7:A23L1/30; A61K31/192; A61K35/74; A61P1/00; A61P29/00  
 (71) Meiji Dairies Corporation  
 (72) Uchida, Masayuki; Narushima, Seiko; Morikubo, Keiko;  
 (31) 04 04117755 (32) 13 Apr 2004 (33) JP  
 (74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia  
 (57) Disclosed is the use of a fermentation product of a propionic acid bacterium belonging to the genus *Propionibacterium*, for the manufacture of a medicament for treating an inflammatory bowel disease.

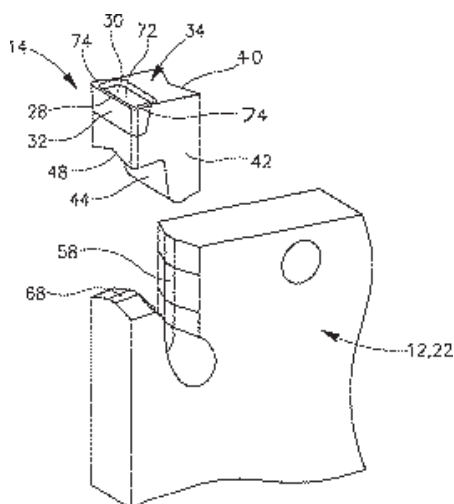
(21) 550528 (22) 11 Mar 2005  
 (54) Method and apparatus for thermally upgrading carbonaceous materials  
 (86) PCT/US2005/007815 (87) WO2005/111177  
 (51) IPC7:C10L9/00; F28D7/00  
 (71) Evergreen Energy Inc  
 (72) Hogset, Robert F; Meyer, Phillippus J; Ray, Michael F; Schlegel, Michael L; Schultz, Sheldon L;  
 (31) 04 837998 (32) 3 May 2004 (33) US  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) Carbonaceous materials are thermally upgraded in a pressurized steam environment to remove moisture and other by-products. A variety of water/solid separation devices may be employed in a process vessel to maximize moisture removal from the upgraded charge. Heating media inlet nozzles and process chamber vents are strategically positioned at the process vessel wall to minimize short circuiting of heating media to vessel outlet vents and to continuously separate hot water removed from the charge and condensed steam, such that the upgraded material

removed from the process vessel is not discharged with accompanying free moisture. After upgrading, the charge may be rehydrated to improve its stability during shipping and storage.



(21) 550671 (22) 20 Apr 2005  
 (54) Ozonised pharmaceutical composition and method  
 (86) PCT/US2005/013223 (87) WO2005/117913  
 (51) IPC7:A61K35/78; A61K33/00  
 (71) Haydee Alba Stenti De Pirillo; Claudia Fernanda Pirillo; Jose Maria Pastoriza  
 (72) Stenti De Pirillo, Haydee Alba; Pirillo, Claudia Fernanda; Pastoriza, Jose Maria; Pastoriza, Carlos Alberto;  
 (31) 040101321 (32) 20 Apr 2004 (33) AR  
 (74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
 (57) Disclosed is a pharmaceutical composition for use in topical application to treat diseases in human beings and animals, the composition comprising dimethylsulfoxide (DMSO), methyl sulfonyl methane, a pharmaceutical acceptable vehicle and products resulting from the ozonization of at least the vehicle.

(21) 550697 (22) 17 Mar 2005  
 (54) Cutting tool and cutting insert therefor  
 (86) PCT/IL2005/000307 (87) WO2005/099949  
 (51) IPC7:B23C5/08,22  
 (71) ISCAR LTD.  
 (72) Hecht, Gil;  
 (31) 04 161373 (32) 14 Apr 2004 (33) IL  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) A cutting tool that has an insert holder for resiliently retaining a cutting insert in an insert pocket is disclosed. The cutting insert (14) has a cutting portion (28, 30, 32) and a locating portion. The locating portion includes opposing forward (44) and rear locating surfaces, and a lower locating surface (48). The insert holder has a clamping portion comprising a clamping jaw resiliently connected to a base jaw. The base jaw has an abutment surface (58) and the clamping jaw has a clamping surface facing opposite a lower portion of the abutment surface. The clamping jaw further has an insert stop surface (68) that is generally transverse to the clamping surface. The cutting insert is retained in the insert pocket with the abutment surface of the base jaw abutting the rear surface (40) of the cutting insert, the clamping surface of the clamping jaw abutting the forward locating surface of the cutting insert, and the insert stop surface of the clamping jaw abutting the lower locating surface of the cutting insert.



(21) 550755 (22) 10 Jun 2003

(54) Orthopaedic materials derived from keratin

(51) IPC7:A61F2/28,02; A61L27/14,22

(71) Keratec Limited

(72) Peplow, Philip Victor; Dias, Subasinghe Nisanke George Premalal Hayantha; Roddick-Lanzilotta, Alisa Dawn; Kelly, Robert James;

(31) 02 519456 (32) 10 Jun 2002 (33) NZ

(74) JAMES & WELLS, Level 11, PricewaterhouseCoopers Centre, 119 Armagh Street, Christchurch, New Zealand

(57) Provided is A product for the replacement and augmentation of bone, including S-sulfonated keratin processed to form a porous material. Also provided is use of dense keratin material in the manufacture of a medical support or scaffold for bone preservation, restoration and development. Further provided is a method of manufacturing a biocompatible material from S-sulfonated keratin.

Divisional filed as 574092

(21) 550781 (22) 20 May 2005

(54) Purification of N-(phosphonomethyl)glycine

(86) PCT/US2005/017989 (87) WO2005/113567

(51) IPC7:C07F9/38

(71) Dow AgroSciences LLC

(72) Tai, Jimmy Jui; Praay, Herbert Nathan; Ringer, James William; Emonds, Mark Victor Michael;

(31) 04 573255 (32) 21 May 2004 (33) US

(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia

(57) Provided is a process for the purification of glyphosate (PMG) comprising: 1) dissolving or suspending a material comprising PMG in water, in the presence of a base, to produce a composition comprising a PMG salt in an aqueous base, 2) contacting the composition with an acid, such that the PMG salt is neutralized, forming a precipitate of PMG, and 3) isolating the precipitate of PMG, with the proviso that the composition of step 1) is not concentrated or filtered using a nanofiltration membrane. Further provided are specific bases and reaction conditions for the process

(21) 551024 (22) 11 May 2005

(54) Indole derivatives having piperidine rings

(86) PCT/JP2005/008632 (87) WO2005/108389

(51) IPC7:A61K31/454, 4725, 536, 55, 553; A61P13/02, 10; A61P43/00; C07D401/04, 14; C07D417/14; C07D405/14; C07D413/14

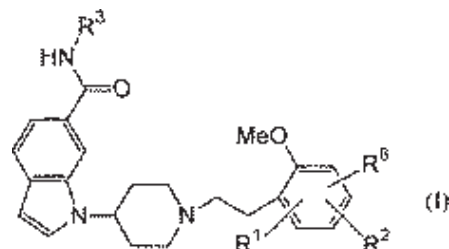
(71) Eisai R&D Management Co., Ltd.

(72) Suzuki, Yuichi; Ito, Koichi; Sasaki, Atsushi; Ueno, Koshi; Sakai, Miyuki; Ishihara, Hiroki; Kubota, Atsuhiko;

(31) 04 142437 (32) 12 May 2004 (33) JP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed are compounds represented by the general formula (I) or pharmacologically acceptable salts thereof; and use of the same as drugs. The compounds exhibit the ability to combine with 5-HT<sub>1A</sub> receptor and 5-HT<sub>1A</sub> receptor antagonism and are useful as therapeutic or preventive agents for lower urinary tract symptoms, particularly urine accumulation symptom.



(21) 551047 (22) 1 Apr 2005

(54) System for attaching accessories to a rotary hand tool

(86) PCT/IB2005/002417 (87) WO2005/107983

(51) IPC7:B23B31/00; B23B45/02; B23D51/10; B27C1/10

(71) ROBERT BOSCH GMBH

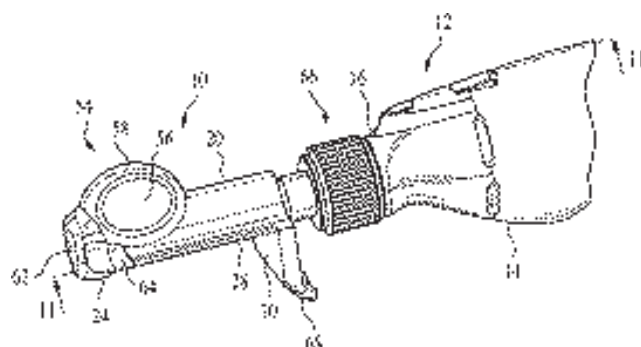
(72) Baber, Brad M;

(31) 04 818915 (32) 6 Apr 2004 (33) US

(31) 04 900955 (32) 28 Jul 2004 (33) US

(74) CALLINANS, 1193 Toorak Road, Camberwell, Victoria 3124, Australia

(57) A system for attaching an accessory attachment to a rotary hand tool of the type having a body with a generally cylindrical nose end portion (16) through which an output shaft (15) passes is disclosed. The preferred embodiment of the system has an attachment that has an attaching end which matingly engages the nose end portion (16) of the hand tool, and includes a rotatable coupling with inner threads that engage outer threads on the nose portion. The nose portion of the hand tool also has at least one recess which is configured to receive at least one projection on the attachment which accurately angularly positions the attachment on the hand tool. The preferred embodiment has at least one complementary tapered recess and projection combination which facilitates easy insertion of the projection into the recess during attaching.



(21) 551082 (22) 31 May 2005

(54) Treatment of T-cell lymphoma using 10-propargyl-10-deazaaminopterin

(86) PCT/US2005/019169 (87) WO2005/117891

(51) IPC7:A61K31/519; A61P35/00

(71) SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH

(72) O'Conner, Owen A; Sirotnak, Francis;

(31) 04 521593 (32) 30 May 2004 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is the use of 10-propargyl-10-deazaaminopterin for treating T cell lymphoma.

Divisional filed as 576849

(21) 551268 (22) 26 May 2005

(54) Process and apparatus for the treatment of municipal solid waste and biomass material obtained thereby

(86) PCT/GB2005/002090 (87) WO05/118165

(51) IPC7:B07B4/02

(71) Ortech LLP

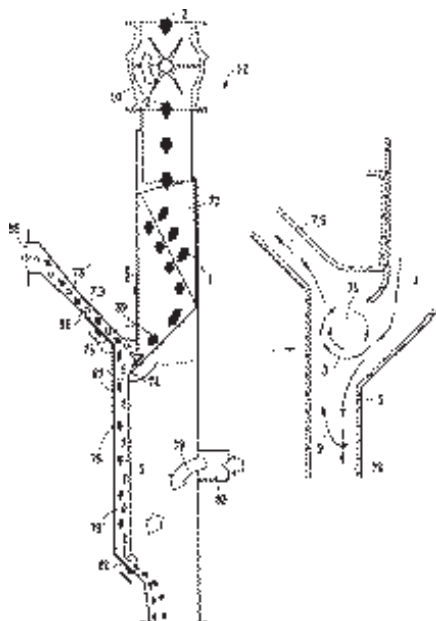
(72) Lees, Tony;

(31) 04 0412216 (32) 29 May 2004 (33) GB

(31) 05 0505323 (32) 16 Mar 2005 (33) GB

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) A process for the production of a range of improved biomass material products suitable for use as a fuel and which have been derived from municipal solid waste (MSW). The process comprises the steps of delivering a stream of mixed, MSW derived biomass material (2) into a separator (12) which operates under negative pressure enabling the biomass material (1) to fall down the separator (12) whilst inducing a sole air stream (78) through the falling material to create a vortex (75) of spinning material within the turbo chamber to separate out by centrifugal action selected denser components (5) of the biomass material (1) enabling such to continue falling to an outlet for collection whilst redirecting by entrainment in the air stream (78) the remaining biomass material (7, 9) to a second outlet (86) for subsequent processing or for collection.



(21) 551304 (22) 14 Nov 2006 (23) 14 Nov 2007

(54) Improvements relating to a quick-release coupling for attaching an abrasive disc to a grinding apparatus and an abrasive disc for use with such a coupling

(51) IPC7:B24B45/00; B24D7/16

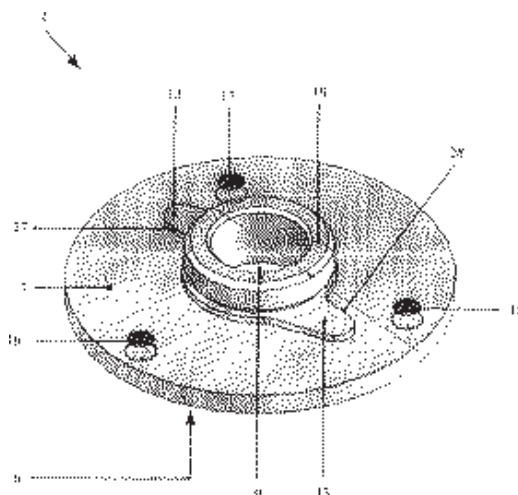
(71) Richmond Industries Limited

(72) Allen, Mark;

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) A coupling for attaching an abrasive disc to a grinding apparatus is disclosed. The coupling comprises a first face (6) which engages a drive

means, a second face (7) which engages the abrasive disk and a central locating means (10) to cooperate with an engagement means on the disc. The coupling is adapted to engage the disc along a mounting plane at the interface between one or more drive elements (12, 13) that extend outward from the central locating means and a corresponding receiving element on the engagement means of the disk. The or each drive element has a driving face (27, 28) substantially perpendicular to the mounting plane and the or each receiving element has a drivable face substantially perpendicular to the mounting plane. When the disc is mounted on the coupling at least a substantial portion of the or each driving face contacts at least a substantial portion of the corresponding drivable face or faces to provide a driving force in the direction of rotation.



(21) 551308 (22) 16 May 2005

(54) Prolongation of survival of an allograft by inhibiting complement activity

(86) PCT/US2005/017048 (87) WO2005/110481

(51) IPC7:A61K39/395; A61M5/28; C07K16/18; C12N5/08

(71) Alexion Pharmaceuticals, Inc.

(72) Rother, Russell P; Wang, Hao; Zhong, Zhen;

(31) 04 571444 (32) 14 May 2004 (33) US

(74) Shelston IP, Level 21, 60 Margaret Street, Sydney, NSW 2000, Australia

(57) Disclosed is the use of an antibody to C5 which inhibits complement activity for the manufacture of a medicament to be administered with at least one immunosuppressive drug to prolong survival of an allograft in a recipient mammal, wherein said antibody to C5 is to be administered chronically.

(21) 551311 (22) 15 Nov 2006 (23) 11 Feb 2008

(54) A hydraulic valve and a double acting hydraulic actuator

(51) IPC7:E02D7/08; F16K11/07; F16K31/122

(71) WILLIAM STEVEN GILLANDERS

(72) Gillanders, William Steven;

(74) Alexander Stanley Gillanders, 429 Berwick Road, R D 1, Outram 9073, New Zealand

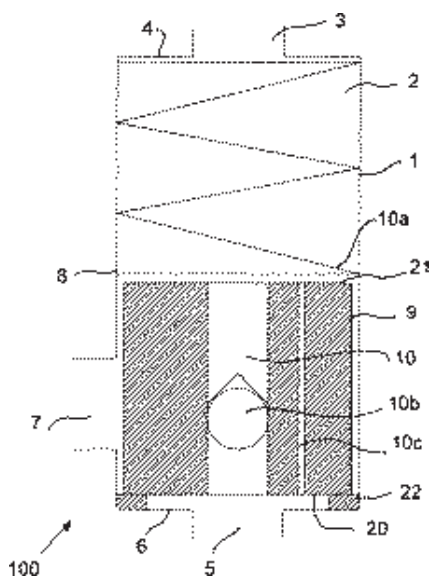
(57) A hydraulic valve (100) has a body (1) provided with an internal chamber (2). A first port

(3) is provided at a first end of the chamber (2), a second port (5) at a second end of the chamber, and a third port (7) in a side of the chamber. A shuttle (9) is substantially sealingly engaged with the chamber (2) and has a first channel (10) extending from a first

end to an opposite second end which provides a flow path between the first and second



ports. The first channel (10) is provided with a one way valve (10b) which allows fluid flow from the first port (3) to the second port (5) but not in the opposite direction. The shuttle also contains a narrow bleed channel (10c) and is biased towards the second port. The shuttle (9) is slideable between a first position wherein it substantially closes the third port (7) and a second position wherein the third port (7) is open. When used as disclosed in conjunction with a double acting hydraulic actuator or cylinder, the actuator becomes self-regenerating and extension of the piston shaft becomes very rapid.

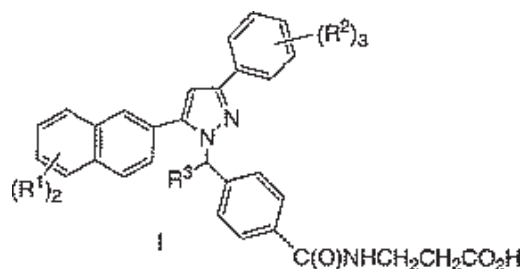


(21) 551339 (22) 10 Jun 2005  
(54) Waterborne multistage polymer dispersion  
(86) PCT/EP2005/052686 (87) WO2005/121595  
(51) IPC7:C08F220/06; C08F265/02; C08L101/06; C09D201/06  
(71) Nuplex Resins B.V.  
(72) Mestach, Dirk Emiel Paula; Egmond Van, Robert;  
(31) 04 076716 (32) 11 Jun 2004 (33) EP  
(31) 04 586725 (32) 12 Jul 2004 (33) US  
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
(57) Disclosed is a process for the manufacture of a waterborne curable multistage polymer dispersion comprising the steps of: making an aqueous emulsion or solution of a first stage polymer comprising carboxylic acid functionalised monomers to an amount sufficient to make the first stage polymer water soluble or dispersible, at least partially neutralising the first stage polymer with a base, forming a two-stage polymer dispersion by adding to the partially neutralised first stage polymer a second stage monomer mixture and emulsion polymerising said second stage monomer mixture to a second stage polymer which is less hydrophilic than the first stage polymer, reacting with the obtained two-stage polymer dispersion a bi-functional compound comprising an ethylenically unsaturated group and a group reactive towards the carboxylic acid in the two-stage polymer. Also disclosed is the polymer dispersion as a coating composition, and a process for coating an article with the coating composition.

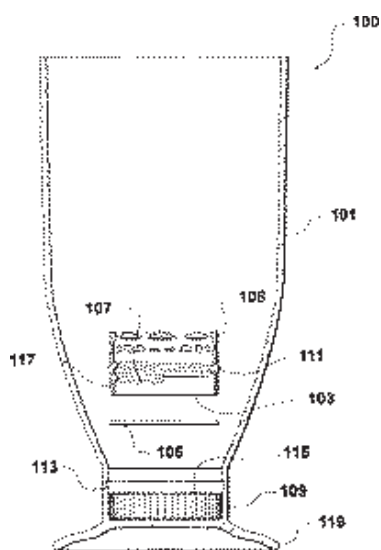
(21) 551378 (22) 18 Jul 2005  
(54) Enzymatic oil-degumming method  
(86) PCT/GB2005/002823 (87) WO2006/008508

(51) IPC7:C07F9/10; C11B3/00; C11C3/00  
(71) DANISCO A/S  
(72) Soe, Jorn Borch; Turner, Mark;  
(31) 0416035 (32) 16 Jul 2004 (33) GB  
(31) 04 591185 (32) 26 Jul 2004 (33) US  
(31) 0513859 (32) 7 Jul 2005 (33) GB  
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
(57) Disclosed is a process of enzymatic degumming edible oils, comprising treating the edible oil with a lipid acyltransferase so as to transfer an acyl group from a major part of the phospholipid to one or more acyl acceptors, wherein the acyl acceptor is one or more sterol and/or stanol and wherein the lipid acyltransferase:  
(a) possesses acyltransferase activity which is defined as ester transfer activity whereby the acyl part of an original ester bond of a lipid acyl donor is transferred to an acyl acceptor to form a new ester; and  
(b) comprises the amino acid sequence motif GDSX, wherein X is one or more of the following amino acid residues L, A, V, I, F, Y, H, Q, T, N, M or S, and wherein when aligned to either the pfam 00657 consensus sequence and/or SEQ ID No.37 the lipid acyltransferase has a GANDY block.

(21) 551405 (22) 31 May 2005  
(54) Pyrazole derivatives, compositions containing such compounds and methods of use  
(86) PCT/US2005/018828 (87) WO2005/121097  
(51) IPC7:A61K31/415,4155; C07D231/12; C07D405/04  
(71) Merck & Co., Inc.  
(72) Parmee, Emma R; Xiong, Yusheng; Guo, Jian; Liang, Rui; Brockunier, Linda;  
(31) 04 577116 (32) 4 Jun 2004 (33) US  
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
(57) Disclosed is a compound of formula I, or a pharmaceutically acceptable salt or solvate thereof, with substituents as described in the specification. Also disclosed is the use of the compound to treat type 2 diabetes mellitus, hyperglycemia, diabetes, insulin resistance, obesity, Syndrome X, atherosclerosis, or a lipid disorder such as dyslipidemia, hyperlipidemia, hypertriglyceridemia, hypercholesterolemia, low HDL, or high LDL.



(21) 551470 (22) 22 Nov 2006 (23) 22 Nov 2007  
(54) Improvements in and relating to drinks packaging  
(51) IPC7:B67B3/00; B67B5/00; B65D41/00,26,56  
(71) VIN SINGLZ LIMITED  
(72) Blake, Graeme Ashley;  
(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
(57) A drinking vessel for a drinks packaging product comprising a main body 101 and a threaded sleeve 108, wherein the threaded sleeve 108 is adapted to mate with the main body 101 in such a manner that when mated the threaded sleeve 108 is substantially prevented from rotating relative to the main body 101 and is substantially prevented from exiting the main body.



(21) 551479 (22) 26 Aug 2005

(54) Process and compositions for wet degreasing of pelts, skins, hides,

leather intermediate products and non-finished leather

(86) PCT/EP2005/054200 (87) WO2006/024629

(51) IPC7:C11D1/825; C14C1/08; C14C5/00

(71) Clariant Finance (BVI) Limited

(72) Gamarino, Roberta; Moresca, Daniela; Trimarco, Licia; Mallon, Jon;

(31) 04425640 (32) 30 Aug 2004 (33) EP

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is a process for wet degreasing of pelts, skins, hides or leather, by treatment with an emulsion degreasing agent and at least one non-ionic emulsifier in the presence of water, wherein the degreasing agent is a mixture of ethoxylation products or ethoxylation and propoxylation products of oxoalcohols of formula  $C_nH(2n+1)-CH_2OH$ , where  $n$  is a number from 9 to 15 and the alkyl radical  $C_nH(2n+1)$  is linear, wherein the oxoalcohols comprise a mixture of positional isomers for at least one of the significances of  $n$ , and the proportion oxoalcohols which are primary alcohols is between 25 and 70 % by weight of the oxoalcohol mixture, wherein the average degree of ethoxylation is between 5 and 12, and wherein the degree of ethoxylation is higher than the degree of propoxylation, wherein the non-ionic emulsifier is an ethoxylation or ethoxylation and propoxylation product of an aliphatic saturated at least twice branched alcohol or mixture.

(21) 551485 (22) 21 Nov 2006 (23) 21 Nov 2007

(54) Wave energy converter

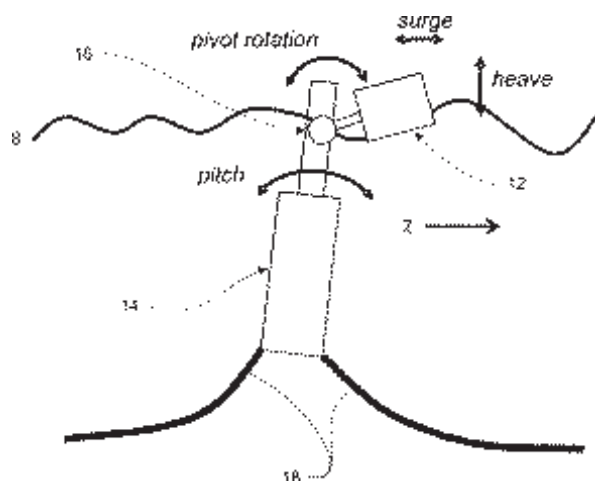
(51) IPC7:E02B9/08; F03B13/20,16

(71) INDUSTRIAL RESEARCH LIMITED; NATIONAL INSTITUTE OF WATER and ATMOSPHERIC RESEARCH LIMITED; POWER PROJECTS LIMITED

(72) Gardiner, Alister; Le-Ngoc, Lan; Caughley, Alan;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A floating wave energy converter is disclosed. The converter includes an elongate reactive body (14) that is substantially submerged in a vertically upright position in a body of liquid. The centre of mass of the reactive body is located towards its bottom end and below its centre of buoyancy. The reactive body pitches about a centre of rotation located towards its bottom end in response to wave motion. An active float (12) that floats on the surface of the liquid (8) is pivotally coupled to top end of the reactive body about a single pivot axis (16). The active float heaves and surges in response to wave motion, and a power output system is driven by the pivoting movement of the active float about the pivot axis.



(21) 551562 (22) 24 Mar 2005

(54) Security screen

(86) PCT/AU2005/000430 (87) WO2005/121486

(51) IPC7:E06B5/11; E06B9/52,00

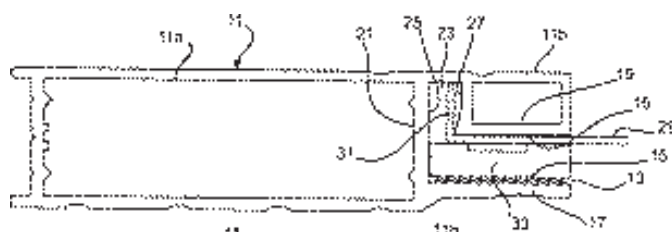
(71) G & J Koutsoukos Holdings Pty Ltd

(72) Koutsoukos, Jamie Dimitrios Elias;

(31) 04 903189 (32) 14 Jun 2004 (33) AU

(74) WRAYS, Ground Floor, 56 Ord Street, West Perth, WA 6005, Australia

(57) A security screen comprising a frame having an outer edge which defines the outer perimeter of the frame and further having an inner edge 11b which surrounds an open portion of the frame, the outer edge of the frame being dimensioned such that in use the security screen is receivable across an opening to close the opening, a perforate sheet element 29 received in the open portion of the frame to close the open portion, the edge of the sheet element 29 being formed with a lip 31 extending from one face of the sheet element 29, the inner edge 11b of the frame formed with a recess 13 having an entry extending across at least a portion of the width of the inner edge 11b, the recess 13 extending along the inner edge 11b, the recess 13 having two opposed side faces 15 16 extending from the inner edge 11b, one side face 16 of the recess 13 having a zone 23 located inward of the inner edge 11b and extending laterally from the recess 13, the edge of the sheet element 29 received within the recess 13 such that the lip 31 is located within the zone 23 and the one face of the sheet element 29 adjacent the lip 31 overlies the one side face, a locking member 33 fixed within the recess 13 between the other face of the sheet element 29 and the other side face of the recess 13 to close the space between the sheet element 29 and the other side face.



(21) 551563 (22) 28 Jun 2005

(54) Alpha,beta-unsaturated esters and acids by stereoselective dehydration

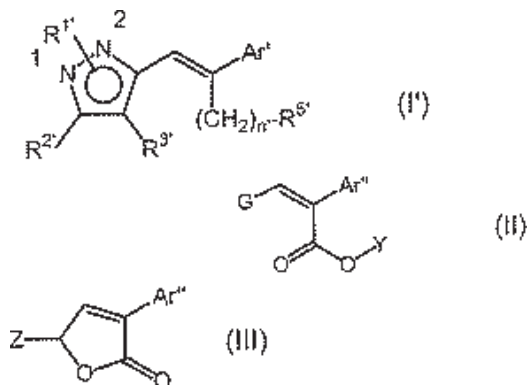
(86) PCT/US2005/022910 (87) WO2006/004742

(51) IPC7:C07D231/12; C07D413/02; C07D417/02

(71) JANSSEN PHARMACEUTICA N.V.

(72) Deng, Xiaohu; Mani, Neelakandha; Mapes, Christopher M;

(31) 04 584227 (32) 30 Jun 2004 (33) US  
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
(57) Disclosed is a method of making pyrazole based CCK-1 receptor modulators which have the general formulas I', II and III wherein the variables are as defined in the specification. The method involves stereoselective dehydration.

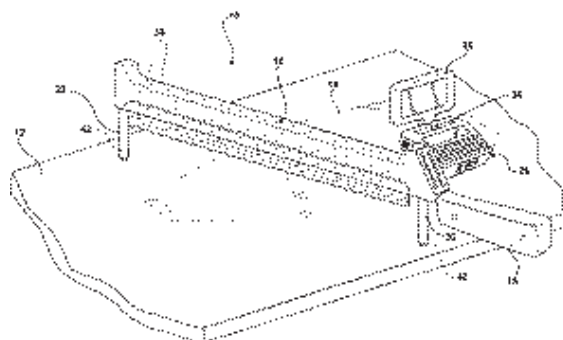


(21) 551596 (22) 2 Jun 2005  
(54) Method for the monitoring and control of a process  
(86) PCT/GB2005/002177 (87) WO2005/121914  
(51) IPC7:G05B17/02; G05B23/02  
(71) BP Chemicals Limited; BP Oil International Limited  
(72) Colman, Derek Alan; Townsend, James Adam;  
(31) 04 0412672 (32) 7 Jun 2004 (33) GB  
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
(57) A control system for a process comprises (a) computer programmed to run a computational fluid dynamics model of a first process and (b) an input system for inputting to the computational fluid dynamics model, data on the feed to the first process. The data represents the situation at an initial time  $t_0$ , such that the model generates a real-time simulation of one or more properties of the first process at a future time  $t_1$ . The control system also has (c) a controller responsive to the simulation and adapted to use the simulation for control of the first process or for control of a second process to which the first process is linked.

(21) 551616 (22) 2 Jun 2005  
(54) Apparatus and method for producing a numeric display corresponding to the volume of a selected segment of an item  
(86) PCT/US2005/019269 (87) WO2005/121987  
(51) IPC7:G06F15/00; G06F19/00; G01G9/00; A22C25/18; G01G17/00; G01B11/00  
(71) KENNETH WARGON  
(72) Wargon, Kenneth;  
(31) 04 576229 (32) 2 Jun 2004 (33) US  
(31) 04 577652 (32) 7 Jun 2004 (33) US  
(31) 05 142626 (32) 1 Jun 2005 (33) US  
(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand  
(57) An apparatus for displaying a numeric value corresponding to the volume of a segment of an item comprises a support surface for supporting the item, a sensor arrangement, and a sensor arrangement support. The sensor arrangement generates signals corresponding to the contour of successive sections of the item passed over by the sensor arrangement support as the sensor arrangement support is moved from a position over any section of the item to be positioned above any selected other section of the item, through the use of plungers and motion detecting plunger accelerometers.  
The apparatus also comprises of a displacement detector arrangement, including an accelerometer arrangement, which generates signals corresponding to the displacement of the sensor arrangement support in

moving from the position over any section of an item to a position above any selected other section of the item and a signal processor responsive to the signals generated by the displacement detector arrangement and sensor arrangement to compute therefrom the volume of a selected segment of the item defined between any section and other section of the item. A visible light projector on the sensor arrangement support projects a narrow band of visible light across the item to provide a visual indication on the item of the section of item over which the sensor arrangement support is positioned and a display displays a numeric value corresponding to the volume of the selected segment of the item as computed by the signal processor with the sensor arrangement support in position above any selected other section of the item.

FIG - 1

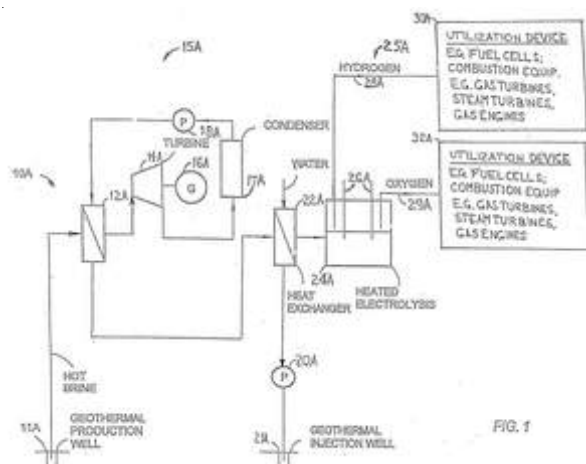


(21) 551719 (22) 22 Jun 2005  
(54) Biodegradable polymeric water retention concentrate  
(86) PCT/AU2005/000894 (87) WO2005/122668  
(51) IPC7:C09K17/18,40  
(71) Biocentral Laboratories Limited  
(72) Turley, Geoff;  
(31) 04 903348 (32) 22 Jun 2004 (33) AU  
(74) LESICAR PERRIN, 49 Wright Street, Adelaide, South Australia 5000, Australia  
(57) Disclosed is a composition for treating plan growing media such as soil, where the composition includes a linear acrylamide copolymer, and optionally includes a water softener, a surfactant, and nutrients.

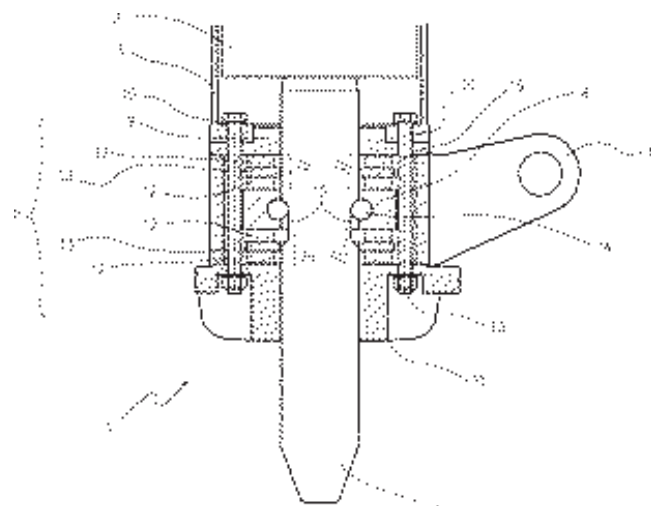
(21) 551771 (22) 4 May 2005  
(54) Composition for stimulating bone growth and differentiation and method for isolating same  
(86) PCT/SG2005/000137 (87) WO2005/107772  
(51) IPC7:A61K31/737,727; A61P19/00  
(71) The University of Queensland  
(72) Nurcombe, Victor; Cool, Simon;  
(31) 04 902408 (32) 7 May 2004 (33) AU  
(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
(57) Disclosed is an isolated heparin sulphate obtained from bone precursor cell or bone stem cell, wherein the heparin sulphate has been isolated from cultured cells at a logarithmic growth phase.

(21) 551788 (22) 6 Jun 2005  
(54) Apparatus for producing hydrogen using geothermal energy to super-heat water before electrolysis  
(86) PCT/IL2005/000596 (87) WO2005/121409  
(51) IPC7:C25B1/02,04; F03G4/00; F24J3/08  
(71) Ormat Technologies Inc.  
(72) Zachar, Oron David;  
(31) 04 861350 (32) 7 Jun 2004 (33) US  
(74) J D Hardie, 14th Floor, 44-48 Emily Place, Auckland, New Zealand

- (57) Apparatus for producing power using geothermal liquid comprises  
 a) a geothermal power plant for producing power using heat contained in geothermal liquid supplied thereto; and  
 b) heating means apparatus for heating a solution and producing a heated solution for use in an electrolysis unit with heat from heat depleted geothermal liquid exiting a vaporizer of the geothermal power plant, wherein the electrolysis unit produces hydrogen for use in producing power. The heating means apparatus for heating a solution and producing a heated solution for use in an electrolysis unit with heat from heat depleted geothermal liquid exiting a vaporizer of the geothermal power plant comprises an indirect heat exchanger for transferring heat from the heat depleted geothermal liquid to a solution for producing the heated solution.



- (21) 551876 (22) 7 Dec 2006 (23) 3 Dec 2007  
 (54) Breaking machine shock absorbing system  
 (51) IPC7:E21B1/38; B25D17/24,08  
 (71) Rocktec Limited  
 (72) Robson, Angus Peter;  
 (74) IPiphany, PO Box 2564, Christchurch 8140, New Zealand  
 (57) Shock absorber systems for breaking apparatus (1), in particular gravity drop hammer breaking machines, are disclosed. The breaking apparatus includes a housing (3); a striker pin (4) located in the housing in at least one retaining location, where the striker pin has a driven end and an impact end that protrudes from the housing; a moveable mass (2) for impacting on the driven end of the striker pin; and a shock absorber with first and second shock absorbing assemblies (7a, 7b) located internally within the housing about the striker pin (2). The first shock absorbing assembly (7a) has at least two elastic and one inelastic layers and is located between the retaining location and the striker pin impact end. The second shock absorbing assembly (7b) is located between the retaining location and the striker pin driven end. The shock absorbing assemblies are configured to allow movement of the shock absorber parallel to, or co-axial with, the striker pin longitudinal axis during use.

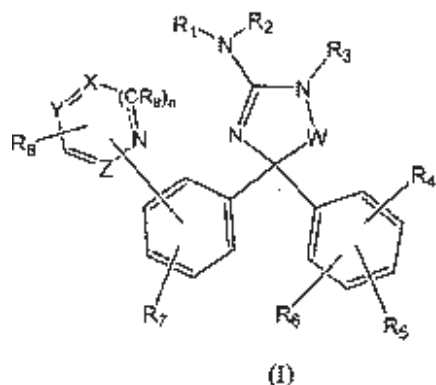


- (21) 551950 (22) 12 May 2005  
 (54) Use of fibroblast growth factor 2 (FGF2) in the manufacture of medicament for treating asthma  
 (86) PCT/KR2005/001390 (87) WO2005/107794  
 (51) IPC7:A61K38/18  
 (71) DONG-A PHARMACEUTICAL CO., LTD.  
 (72) Kang, Soo Hyung; Kim, Byong Moon; Son, Miwon;  
 (31) 04 040033261 (32) 12 May 2004 (33) KR  
 (74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand  
 (57) Disclosed is the use FGF2 (Fibroblast Growth Factor-2) in the manufacture of a medicament for treating or preventing asthma, chronic obstructive pulmonary disease (COPD), airway fibrosis, airway inflammation, airway hyperresponsiveness, and airway remodelling

- (21) 551965 (22) 8 Dec 2006 (23) 6 Dec 2007  
 (54) A medical preparation  
 (51) IPC7:A61F2/00  
 (71) WaikatoLink Limited  
 (72) Laird, Dougal Francis; Mucalo, Michael Roger; Dias, Subasinghe Nissanke George Premalal Jayantha;  
 (74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand  
 (57) Disclosed is a bone matrix, including: a bone matrix material, which has had organic material removed, and a replacement material that has replaced the organic material, characterised in that the replacement is immobilised within the bone matrix by precipitation of the replacement material by adjustment of the pH and that the bone matrix is formed from a single piece of bone.

- (21) 552031 (22) 14 Jun 2005  
 (54) Amino-5,5-diphenylimidazolone derivatives for the inhibition of beta-secretase  
 (86) PCT/US2005/020720 (87) WO2006/009653  
 (51) IPC7:A61K31/4178; A61P25/28; C07D401/10; C07D403/10; C07D405/14  
 (71) Wyeth  
 (72) Malamas, Michael Sotirios; Erdei, James Joseph; Gunawan, Iwan Suwandi; Zhou, Ping; Yan, Yinfu; Quagliato, Dominick;  
 (31) 04 580286 (32) 16 Jun 2004 (33) US  
 (74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwin's Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Disclosed is a compound of formula (I) and the use thereof for the therapeutic treatment, prevention or amelioration of a disease or disorder characterized by elevated ss-amyloid deposits or ss-amyloid levels in a patient.





(21) 552085 (22) 24 Jun 2005

(54) Methods and apparatus for separating perforated paper stock in a printer

(86) PCT/US2005/022447 (87) WO06/012285

(51) IPC7:B41J11/26,64

(71) TransAct Technologies Incorporated

(72) Weeks, David E; Harris, Bruce; Hilsdorf, Steven P;

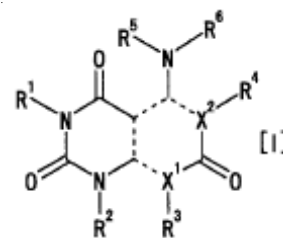
(31) 04 878835 (32) 28 Jun 2004 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A method for bursting perforated paper stock, comprising: feeding perforated paper stock in a feed direction along a paper path 40' in a printer 10; the perforated paper stock having sections separated by perforations; accumulating one of the sections of the perforated paper stock in a loop area 20; reversing the feed direction to draw a perforation of the accumulated section against a burst element 22 causing bursting of the perforation thereby separating the section from the perforated paper stock; and advancing the separated section out of the loop area 20 and dispensing the section from the printer 10.

(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is a pyrimidine compound represented by the following formula [I] wherein each symbol is as defined in the specification, a pharmaceutically acceptable salt thereof, and a pharmaceutical agent for the prophylaxis or treatment of a disease caused by undesirable cell proliferation, particularly an antitumor agent, which contains such compound. The compound of the present disclosure has superior undesirable cell proliferation suppressing action, particularly, an antitumor action, and is useful as an antitumor agent for the prophylaxis or treatment of cancer, antirheumatoid agent and the like. In addition, by the combined use with other antitumor agent such as alkylating agent, metabolism antagonist and the like, it can be a more effective antitumor agent.



(21) 552093 (22) 16 Jun 2005

(54) Processes for preparing gonadotropin releasing hormone receptor antagonists

(86) PCT/US2005/021127 (87) WO2006/009736

(51) IPC7:C07D403/12

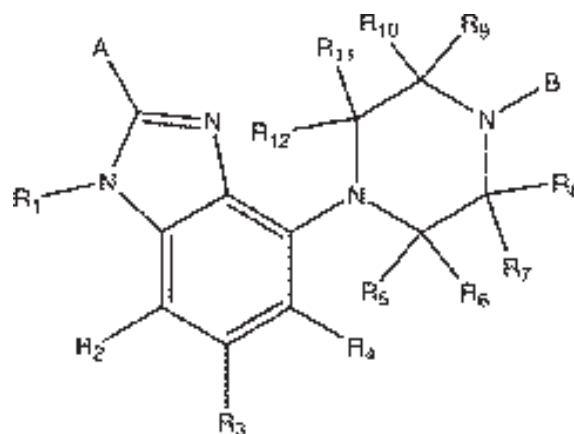
(71) Wyeth

(72) Gontcharov, Alexander V; Khafizova, Gulnaz; Potoski, John R; Huryn, Donna Mary;

(31) 04 580665 (32) 17 Jun 2004 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed are methods of making Gonadotropin Releasing Hormone ("GnRH") (also known as Leutinizing Hormone Releasing Hormone) receptor antagonists.



(21) 552090 (22) 10 Jun 2005

(54) 5-Amino-2,4,7-trioxo-3,4,7,8-tetrahydro-2H-pyrido[2,3-d]pyrimidine derivatives and related compounds for the treatment of cancer

(86) PCT/JP2005/011082 (87) WO2005/121142

(51) IPC7:C07D471/04; C07D487/04

(71) Japan Tobacco Inc.

(72) Sakai, Toshiyuki; Kawasaki, Hisashi; Abe, Hiroyuki; Hayakawa, Kazuhide; Iida, Tetsuya; Kikuchi, Shinichi; Yamaguchi, Takayuki; Nanayama, Toyomichi; Kurachi, Hironori; Tamaru, Masahiro; Hori, Yoshikazu; Takahashi, Mitsuru; Yoshida, Takayuki;

(31) 2004 174770 (32) 11 Jun 2004 (33) JP

(31) 2004 327111 (32) 10 Nov 2004 (33) JP

(21) 552096 (22) 15 Dec 2006 (23) 13 Dec 2007

(54) Veterinary formulation

(51) IPC7:A01N43/00,68; A01N25/02

(71) Merial Ltd

(72) Razzak, Majid Hameed Abdul; Madhoo, Vijay;

(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand



(57) Disclosed is a formulation of cromazine in a solvent system of water and polyethylene glycol, wherein the polyethylene glycol is at least 30% v/v, and the majority of the polyethylene glycols have a molecular weight between 200 and 35,000. Also disclosed is the use of this formulation to treat ectoparasites, such as fly strike in animals. Also disclosed is a method of making the formulation.

Divisional filed as 576942

(21) 552122 (22) 18 Jul 2005

(54) Multifunctional valve unit in which the flow control device is replaceably removable from the rest of the unit

(86) PCT/IB2005/002059 (87) WO2006/011023

(51) IPC7:F16K1/30; F16K17/10; F17C13/04; G05D7/01

(71) AFRICAN OXYGEN LIMITED

(72) Gawryjolek, Thomas Kasper;

(31) 04 5819 (32) 21 Jul 2004 (33) ZA

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A multifunctional valve unit (10) for use on a gas cylinder to which it is attached for the controlled filling of the cylinder and for the controlled discharge of gas therefrom, the unit having a unitary or monolithic valve body (32) and the unit comprising: a filling port (12), provided by the body (32), for use in charging a gas cylinder on which the unit is mounted from a gas supply or source; a cylinder connector (14), provided by the body (32), the connector (14) being in gas flow communication, via a gas flow path (54) defined in the valve body (32), with the filling port (12), for releasable attachment of the unit to a gas cylinder on which the unit is mounted; a manually operable manual shut-off valve (16), mounted on the valve body (32), for opening and closing the flow path between the filling port (12) and the cylinder connector (14); a gas pressure regulator (18), mounted on the valve body (32), for regulating the pressure of gas issuing via the unit (10) from a gas cylinder on which the unit is mounted, the regulator (18) having an inlet in gas flow communication, via a gas flow path defined in the valve body (32) and via the manual shut-off valve (16), with the cylinder connector (14), the manual shut-off valve (16) being operative, simultaneously with its opening and closing the flow path between the filling port (12) and the cylinder connector (14), to open and close the flow path between the gas pressure regulator (18) and the cylinder connector (14); a minimum pressure retention valve (20), mounted on the valve body (32), for retaining gas in a gas cylinder on which the unit is mounted at a pressure above a minimum threshold value, the minimum pressure retention valve (20) being operative to close the flow path between the cylinder connector (14) and the gas pressure regulator (18) when the pressure in the gas cylinder drops to the threshold value, and to open said flow path when the pressure in the gas cylinder rises above the threshold value and the manual shut-off valve (16) is open; a pressure gauge (22), mounted on the valve body (32), for measuring and displaying the gas pressure in the flow path (54) between the cylinder connector (14) and the manual shut-off valve (16), and thus also for measuring and displaying the pressure in a gas cylinder on which the unit is mounted; a flow control device (24), mounted on the valve body (32), having an inlet in gas flow communication with an outlet from the gas pressure regulator (18), for controlling the flow rate of gas issuing from the outlet of the gas pressure regulator (18), and for feeding gas at a controlled flow rate from the gas pressure regulator (18) to a gas outlet (122) from the multifunctional valve unit (10); and a pressure relief safety valve (26), mounted on the valve body (32), the pressure relief safety valve (26) having an outlet venting to atmosphere and an inlet in communication with the outlet from the gas pressure regulator (18), for relieving gas pressure where the outlet of the gas pressure regulator (18) communicates with the inlet of the flow control device (64), and thus for maintaining gas pressure there below a maximum threshold value, wherein the flow control device (24) is, as a whole, replaceably removable from the remainder of the multifunctional valve unit (10) while the cylinder connector (14) is connected to a gas cylinder containing gas and the manual shut-off valve is closed, the remainder of the multifunctional valve unit (10) remaining connected to the gas cylinder by the connector (14) and constituting the valve body (32), the filling port (12), the cylinder connector (14), the shut-off valve (16), the gas pressure regulator (18), the minimum pressure retention valve (20), the pressure gauge (22), the gas outlet (122) and the pressure relief safety valve (26).

(21) 552320 (22) 9 May 2005

(54) Key assembly operable to give 12 distinct data output signals to an electronic device

(86) PCT/IL2005/000488 (87) WO2005/119718

(51) IPC7:H01H23/28; H01H25/00; H01H23/00

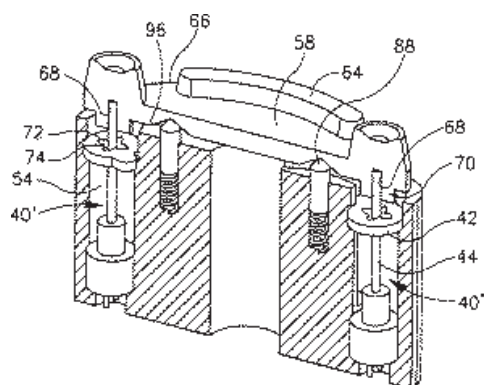
(71) ISCAR LTD.; GIL HECHT

(72) Hecht, Gil;

(31) 04 162307 (32) 2 Jun 2004 (33) IL

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A multifunction key assembly for inputting data to an electronic device is disclosed. The assembly has two switches (40', 40'') operated by a single key cap. The key cap can be displaced vertically into three active positions and horizontally into four contact positions, giving rise to twelve distinct output data signals for inputting to the electronic device.



(21) 552573 (22) 29 Jul 2005

(54) Composition comprising neem oil and oil extract of hypericum having healing, repellent and biocidal properties for treating external wounds

(86) PCT/IT2005/000454 (87) WO2006/013607

(51) IPC7:A61P17/02; A61K36/38,58

(71) Phytoceuticals Ltd.

(72) Carnevali, Fiorella; Van Der Esch, Stephen Andrew;

(31) 04 RM A 0393 (32) 3 Aug 2004 (33) IT

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) Disclosed is a composition comprising neem oil and oil extract of Hypericum perforatum. This composition is useful for treating wounds.

(21) 552663 (22) 1 Aug 2005

(54) Continuous roll stock netting machine using a tube of netting

(86) PCT/US2005/027253 (87) WO2006/015314

(51) IPC7:B65B25/06; B65B51/04; B65B9/10

(71) POLY-CLIP SYSTEM CORP.

(72) Norton, Eddie; McGregor, Duane; Christensen, Jeff;

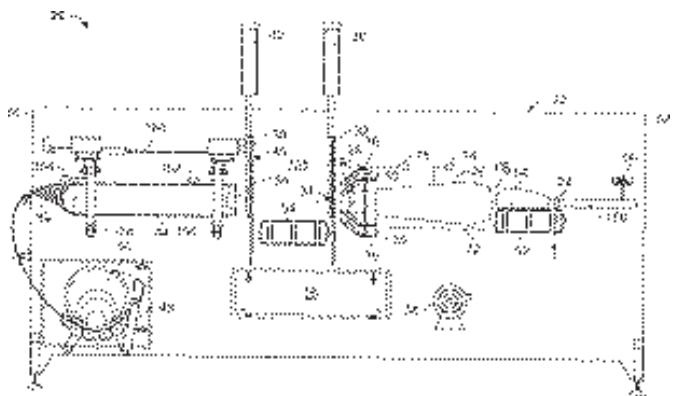
(31) 04 592984 (32) 30 Jul 2004 (33) US

(31) 05 648529 (32) 31 Jan 2005 (33) US

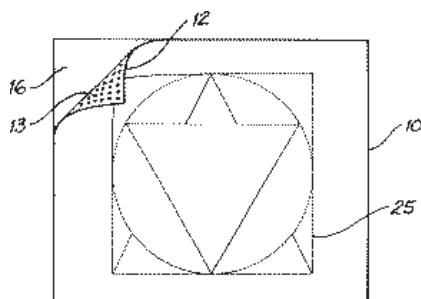
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) An apparatus 20 for encasing material 64 in netting 46, characterized by: a tube of netting 46 having an open end; a first gate 32 adjustable from an open position defining an aperture larger than the material 64, to a closed position gathering the netting 46 extended through the aperture; a second gate 38 adjustable from an open position defining an aperture larger than the material 64, to a closed position gathering the netting 46 extended through the aperture; the first gate 32 being spaced from the second gate 38 to define a passage 138 there between; a set of claws 28 mounted on a collar and positioned proximal to the first gate 32; a mandrel 44 mounted on a plurality of clamps, in axial alignment with a product horn 26, and being adapted to receive the tube of netting 46 and to maintain the open end in an open position in axial alignment with and

opposed to a distal end of the product horn 26, each of the clamps having an open setting so that the mandrel 44 and the netting 46 can move relative to the clamp, an intermediate setting so that the mandrel 44 can move relative to the clamp and the netting 46 cannot move relative to the clamp, and a closed setting so that the mandrel 44 and the netting 46 cannot move relative to the clamp; an actuator to move the mandrel 44 from a first position distal to the collar, through the gates 32 38 to a second position wherein the claws 28 engage the netting 46 and hold the open end in an open position; an actuator to move the product horn 26, from a first position proximal to the collar, to a second position in the passage 138; a ram to move the material 64 into the product horn 26 and to leave the material 64 in the passage 138 when the product horn 26 moves from its second position to its first position; a first clipper associated with the first gate 32 and positioned to clip the netting 46 gathered by the first gate 32 to close the open end; a second clipper associated with the second gate 38 and positioned to clip and sever the netting 46 gathered by the second gate 38.



- (21) 552669 (22) 30 Jun 2005  
 (54) A method of printing and images printed thereby  
 (86) PCT/AU05/000959 (87) WO2006/002467  
 (51) IPC7:G09F13/06; G09F19/14  
 (71) GSP PRINT PTY LTD  
 (72) Krasulak, Jerzy;  
 (31) 04 903645 (32) 2 Jul 2004 (33) AU  
 (74) FRASER OLD & SOHN, Level 10, The Bayer Building, 275 Alfred Street, North Sydney, NSW 2060, Australia  
 (57) A method of creating an image on a non-perforated substrate is provided. The method includes the steps of (i) screen printing an apertured foundation layer over the substrate and (ii) screen printing an image forming layer on said foundation layer without contacting said substrate to any substantial extent. The foundation layer is formed from a plurality of spaced apart screen printed mesas. A printed image created by the method is also provided.



- (21) 552809 (22) 18 Jun 2005  
 (54) Method for producing 4-(benzimidazolylmethylamino)-benzamides  
 (86) PCT/EP2005/006586 (87) WO2006/000353

- (51) IPC7:A61K31/4184; A61P7/02; C07D271/07; C07D401/12  
 (71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH  
 (72) Zerban, Georg; Hausherr, Arndt; Schlarb, Kerstin; Schmitt, Heinz-Peter; Weyell, Bjoern; Koch, Gunter; Hamm, Rainer;  
 (31) 04 14917 (32) 25 Jun 2004 (33) EP  
 (74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Disclosed is a process for preparing an optionally substituted 4-benzimidazol-2-ylmethylamino)-benzamide, wherein (a) an optionally suitably substituted diaminobenzene is condensed with 2-[4-(1,2,4-oxadiazol-5-on-3-yl)-phenylamino]-acetic acid, (b) the product thus obtained is hydrogenated, and (c) optionally the amidino group is carbonylated.

- (21) 552825 (22) 14 Jul 2005  
 (54) Method and system for determining cracks and broken components in armor  
 (86) PCT/US2005/024859 (87) WO2006/019820  
 (51) IPC7:G01B7/16; G01R31/08; F41H5/04  
 (71) SIMULA, INC.  
 (72) Kelsey, Victor P; Lyons, Stanton F; Richards, Marvin Kent; Parsons, Curtis P; Bowser, Donnie L; Daly, Michael F;  
 (31) 04 892357 (32) 16 Jul 2004 (33) US  
 (74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
 (57) A ceramic armour system with built-in conductive circuit attached to a ceramic component is disclosed. The conductive circuit can be accessed by a user at contacts provided in the system. The system (100) with built-in detection of ceramic defects comprises one or more ceramic components (104) housed within the system and one or more conductive circuits (102). At least one of the ceramic components includes at least one of the conductive circuits attached thereto on at least one first surface of the at least one ceramic component. The one or more conductive circuits are accessible for electrical measurements. The system also has a plurality of contacts, wherein at least two of the contacts are connected to each conductive circuit to provide access to a device to measure circuit resistance of the one or more conductive circuits.  
 Divisional filed as 577217

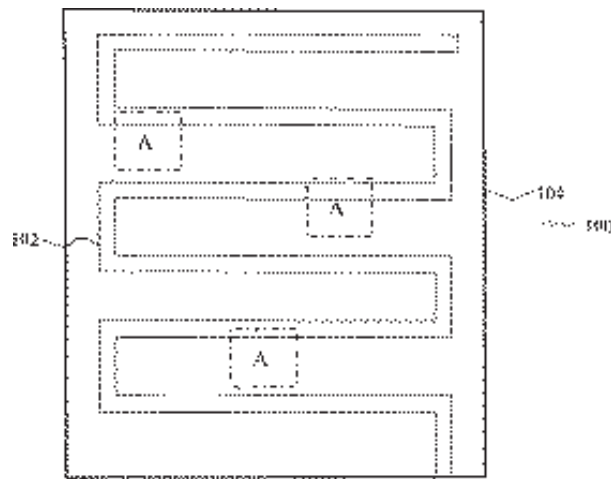


Figure 2a

- (21) 552909 (22) 21 Jul 2005  
 (54) Delamination-resistant multilayer container, preform, article and method with oxygen barrier formulations  
 (86) PCT/US2005/025987 (87) WO2006/012483

(51) IPC7:A23L3/3436; B32B27/08,18; B65D1/02; B65D81/26; C08K5/098,17; C09K15/06

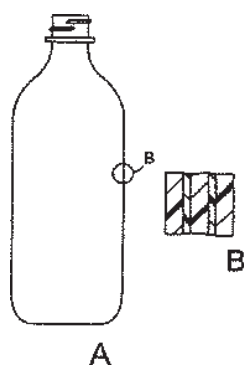
(71) GRAHAM PACKAGING PET TECHNOLOGIES INC.

(72) Bourgeois, Philip D;

(31) 04 897867 (32) 22 Jul 2004 (33) US

(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is a plastic preform for blow molding, a container and an article that includes a multilayer wall having at least one layer of a matrix resin, at least one layer of a barrier resin, an adhesion-promoting material blended with the barrier resin and/or matrix resin, and an active oxygen barrier composition blended with the barrier resin and/or matrix resin. The adhesion-promoting material promotes bonding between the barrier and matrix resin layers and includes an amine polymer, preferably an imine polymer having a number of available primary, secondary or tertiary amine groups. The matrix resin preferably is an ester-containing resin such as PET. The barrier resin preferably is EVOH. The active oxygen barrier composition includes a metal with an additive compound, and may also include a host polymer.



(21) 552931 (22) 6 Jul 2005

(54) Cyclonic separating apparatus

(86) PCT/GB2005/002666 (87) WO2006/010881

(51) IPC7:A47L9/16; B04C5/10,13

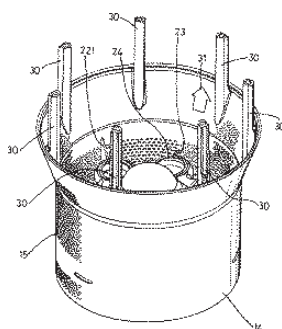
(71) Dyson Technology Limited

(72) Strutt, Benjamin John; Eddington, Robin;

(31) 04 0416903 (32) 29 Jul 2004 (33) GB

(74) Shelston IP, Level 21, 60 Margaret Street, Sydney, NSW 2000, Australia

(57) Separating apparatus comprises a shroud (14) comprising a wall (21) having a multiplicity of through-holes (15). At least one baffle (23) is provided on the inner surface of the wall of the shroud. The baffle directs the airflow entering the shroud towards the central region of the shroud, thereby reducing conflicting air currents. The baffle may also be used to assist correct assembly of the separating apparatus. The baffle may be arranged to locate with a member provided on another component of the separating apparatus, such as a cyclone assembly, in order to locate that assembly in a predetermined orientation.



(21) 553133 (22) 12 Feb 2007 (23) 11 Feb 2008

(54) Threaded male aerosol can valve

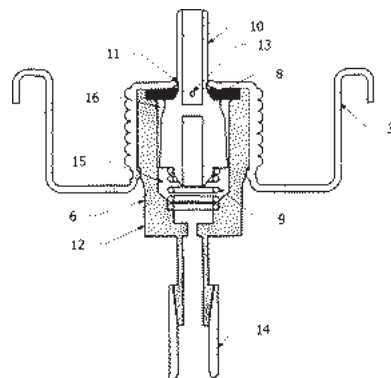
(51) IPC7:B65D83/38,14

(71) S.C. Johnson & Son, Inc.

(72) Barker, Douglas Christopher;

(74) A J PIETRAS & CO, Level 2, Gibson Sheat Centre, 1 Margaret Street, Lower Hutt, New Zealand

(57) A container for use in delivering aerosol carried substances or other fluids to an atmosphere adapted for attachment to an automatic spray dispenser is disclosed. The container includes a valve mechanism (6) with an outwardly extending pillar having externally threaded sides. The valve mechanism has a cantilevered hollow stem which extends through or from an aperture (11) in the pillar. When the valve is in an open disposition the stem channels the fluid from inside to outside of the container.



(21) 553164 (22) 16 Jul 2005

(54) Method and apparatus for consumable powder reconstitution and frothing by pre-wetting the powder with an intersecting liquid spray

(86) PCT/EP2005/007779 (87) WO2006/015689

(51) IPC7:A47J31/40

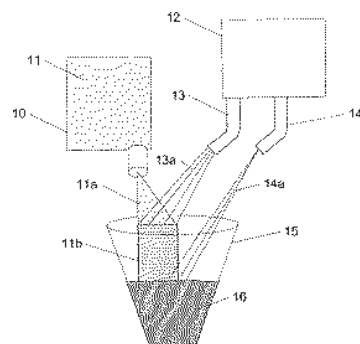
(71) Nestec S.A.

(72) Thakur, Beli R; Gonzalez, Juan J; Pleisch, Hanspeter; Guerrero, David Casey; Westfall, Stephen Daniel; Sher, Alexander A;

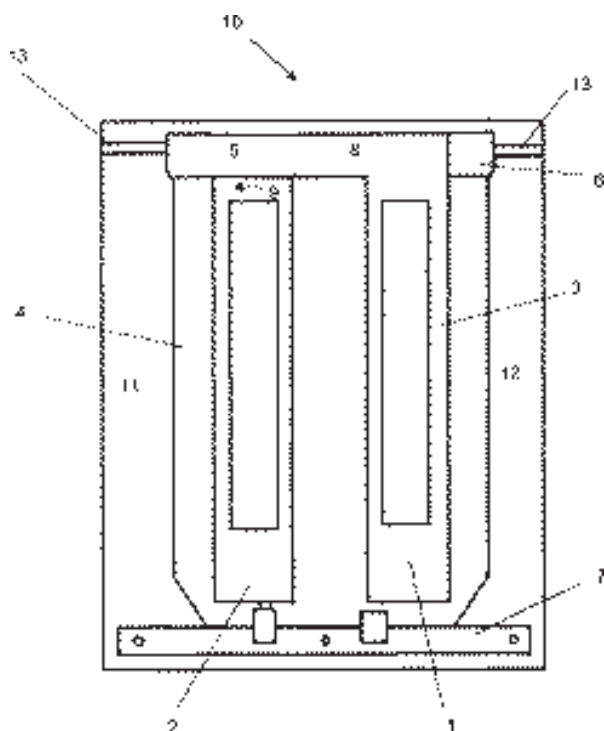
(31) 04 916503 (32) 12 Aug 2004 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

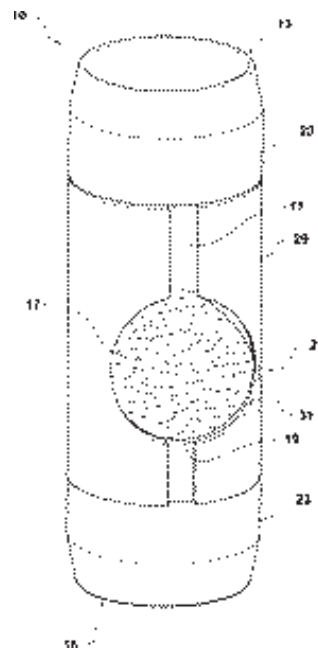
(57) A method of reconstituting consumable powder 11a to form a food product, the method comprising the steps of: introducing a powder 11a into a container 15; pre-wetting the powder 11a to form a pre-wetted powder 11a by introducing a wetting liquid 16 stream 13a into the container 15 such that the wetting liquid 16 stream 13a intersects in midair with the powder 11a as the powder 11a is introduced into the container 15; and mixing the pre-wetted powder 11a to form a food liquid 16 reconstituted from the powder 11a by introducing a mixing liquid 16 stream 13a into the container 15.



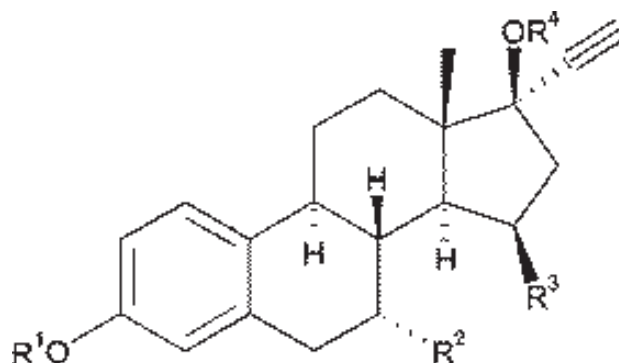
(21) 553215 (22) 13 Feb 2007 (23) 13 Feb 2008  
 (54) Gate assembly, such as a headgate, for use with an animal processing station  
 (51) IPC7:A01K29/00; E04H17/18; A01K15/00,04; A61D3/00; E06B11/02,04  
 (71) Gallagher Group Limited  
 (72) Lawrence, Rodney John;  
 (74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand  
 (57) A gate element for use with a gate assembly including an open section configured such that it is unbounded on at least one side, and a blocking structure characterised in that the open section and the blocking structure are adjacent each other. Preferably, at least one mounting structure extends laterally from a side of the blocking structure, such that an edge of the mounting structure is substantially aligned with an edge of the blocking structure.



(21) 553252 (22) 16 Feb 2007 (23) 13 Feb 2008  
 (54) Debris trap for a downpipe of a guttering system, including a filter and a sliding access cover  
 (51) IPC7:E04D13/076,08  
 (71) TDK INVESTMENTS LIMITED  
 (72) Stewart, Keith Edward; Kara, Damin Paul Tangaroa;  
 (74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
 (57) A debris trap (10) that can be easily cleared of debris, with particular application in downpipe and spouting systems, is disclosed. The trap has a filter (17) housed in a body (11) through which water flows. There is an opening (19) in the body that can be closed by a sliding closure (21). Opening the closure allows accumulated debris to be removed from the filter.



(21) 553266 (22) 5 Sep 2005  
 (54) 15beta-substituted steroids having selective estrogenic activity  
 (86) PCT/EP2005/054368 (87) WO2006/027347  
 (51) IPC7:A61K31/56; A61P5/00; C07J1/00  
 (71) N.V. Organon  
 (72) Loozen, Hubert Jan Jozef; Ederveen, Antonius Gerardus Hendrikus; Dijcks, Fredericus Antonius;  
 (31) 04 608501 (32) 8 Sep 2004 (33) US  
 (31) 04 04104334 (32) 8 Sep 2004 (33) EP  
 (74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwin's Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Disclosed is a compound of formula (I), wherein the substituents are as defined in the specification. The compounds have selective estrogenic activity and are useful in the treatment of estrogen receptor-related diseases or physiological conditions e.g. hormone treatment, osteoporosis and contraception.



(21) 553292 (22) 5 Aug 2005  
 (54) Polysulfated glycosides and salts thereof  
 (86) PCT/US2005/027877 (87) WO2006/017726  
 (51) IPC7:A61K31/047; C07H15/04



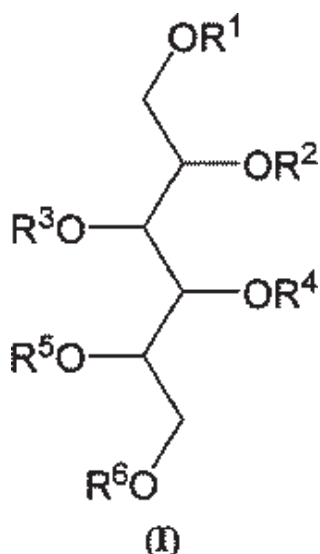
(71) Ivax Drug Research Institute Ltd

(72) Kuzsman, Janos; Kurucz, Istvan; Medgyes, Gabor; Bodor, Nicholas;

(31) 04 599148 (32) 5 Aug 2004 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) The disclosure relates to polysulfated glycosides of formula (I), the pharmaceutically acceptable salts thereof, as well as the pharmaceutical compositions containing these compounds as active ingredients, wherein the variables R1 to R6 shown in formula (I), independently of each other, stand for C1-4 alkyl, -SO<sub>3</sub>H, polysulfated beta-glycosyl or polysulfated diglycosyl group - with the proviso, that the meaning of at least one of R1-R6 is a polysulfated beta-glycosyl or polysulfated diglycosyl group. These compounds are suitable for preventing, treating or alleviating the symptoms of acute and chronic inflammatory disorders of the airways of mammals - including asthma and asthma-related pathologies.



(21) 553293 (22) 9 Aug 2005

(54) Powder weighing apparatus with a sealable weighing mechanism

(86) PCT/GB2005/003147 (87) WO2006/030171

(51) IPC7:G01G21/30

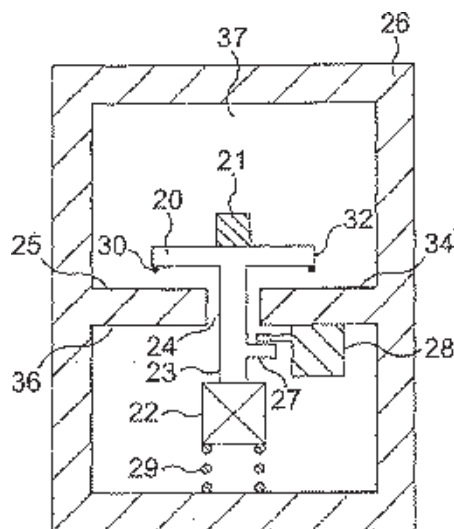
(71) Pfizer Limited

(72) MacMichael, Donald Bruce Atherton;

(31) 04 0420659 (32) 16 Sep 2004 (33) GB

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A weighing apparatus comprising a weighing pan (20) for holding an object (21) to be weighed, a support for the weighing pan, the support contacting a lower surface of the weighing pan and comprising an elongate member (23) extending downwardly from the weighing pan. The elongate member extends through a hole (24) provided in a floor (36), located beneath the weighing pan of a weighing pan region (37). The weighing apparatus further comprises a weighing mechanism (44) located beneath the floor of the weighing pan region in a weighing mechanism region. The elongate member connects with the weighing mechanism, and a drive means (28) for selectively moving the weighing pan between an upper position, at which the weighing pan is spaced from the floor, and a lower position, at which the weighing pan contacts the floor. In the lower position a sealing element (30) forms a sealing relationship with the floor to prevent material in the weighing pan region from passing through the hole into the weighing mechanism region.



(21) 553366 (22) 19 Aug 2005

(54) Inhaler for powdered, particularly medical substances with a movable dosing chamber with a closure side element

(86) PCT/EP2005/054094 (87) WO2006/021546

(51) IPC7:A61M15/00

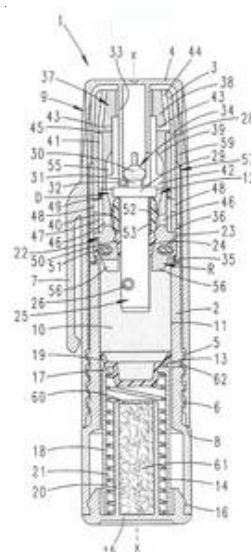
(71) Siegfried Generics International AG

(72) von Schuckmann, Alfred;

(31) 04 04041524 (32) 27 Aug 2004 (33) DE

(74) P L BERRY & ASSOCIATES, 61 Cambridge Terrace, Christchurch 8013, New Zealand

(57) An inhaler 1 for powdery substances, including a mouthpiece 3 and a suction air channel 12 leading to the mouthpiece 3, a storage chamber 11 for storing therein the powdery substance, a movable dosing chamber 26 for apportioning a specific amount of substance from the storage chamber 11 and moving an amount of substance into a ready position for transferring the amount of substance to a suction air stream, a closure slide element disposed to close off the dosing chamber 26 in the ready position, and movable relative to a dipping plunger into a dose-release position upon application of a preset minimum suction underpressure.



(21) 553569 (22) 8 Sep 2004

(54) Luminescent signage component

(86) PCT/CA2004/001644 (87) WO2006/026845

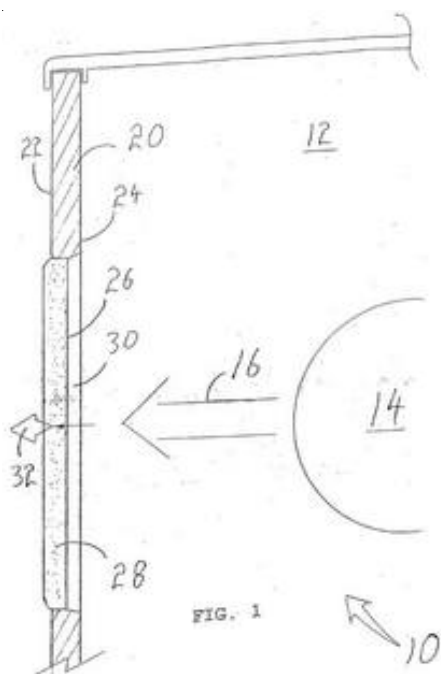
(51) IPC7:G09F13/00,04,20

(71) IVAN TO

(72) To, Ivan;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A luminescent signage component 10, comprising: a one-piece body 20 in the form of a sign plate made from a single layer of material, having a first face 22 and a second face 24; at least one inlaid cavity 26 in the body 20 defining a message conveying indicia selected from one of a series of alphanumeric characters or a graphic symbol, the at least one cavity being closed by an integrally formed transparent window positioned across the second face 24; luminescent epoxy 28 filling the at least one cavity 26 between the first face 22 and the second face 24; and a constant light source 14 backlighting the at least one inlaid cavity 26 such that the constant light source 14 causes the luminescent epoxy 28 to emit a luminescent glow 32 when illuminated, and to emit a luminescent glow 32 when the constant light source 14 is interrupted.



(21) 553942 (22) 22 Sep 2005

(54) Mixing device, coffee machine provided with mixing device and use of mixing device

(86) PCT/EP2005/010229 (87) WO2006/034810

(51) IPC7:A47J31/40

(71) Nestec S.A.

(72) Koopman, Carlos Nikolaas Josef Maria; van de Leijgraaf, Andreas Raymond; Verhoeven, Romanus Eduard; Huiberts, Johannes Theodorus Emerentia;

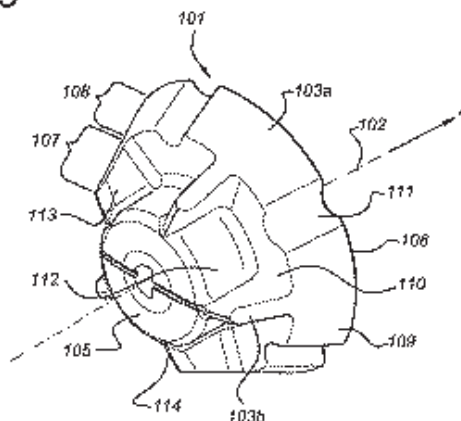
(31) 04 04077663 (32) 27 Sep 2004 (33) EP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) The present disclosure relates to a mixing device for aerating and frothing a product that comprises a fluid component and at least one further component, comprising a rotor (101) having a rotational axis (102) and a surface of revolution (4) defined by the rotor (101) upon rotation around its rotational axis (102), the surface of revolution (4) extending from a first axial (105) end to a second axial end (106), and the first axial

end (105) being arranged upstream with respect to the second axial end (106); a motor in driving association with the rotor (101) for rotating the rotor about the rotational axis (102); and a product exit conduit disposed downstream of the rotor and configured for dispensing the aerated and frothed product of the fluid and at least one further component, which rotor (101) comprises a downstream part (108) and an upstream part (107). The disclosure relates furthermore to a beverage machine provided with the aforementioned mixing device.

Fig 2



(21) 554018 (22) 9 Sep 2005

(54) Process for preparation of trifluoroacetyl glatiramer acetate using purified hydrobromic acid

(86) PCT/US2005/032395 (87) WO06/029393

(51) IPC7:C07K14/00; C07K1/00,14; C08G69/10

(71) TEVA PHARMACEUTICAL INDUSTRIES LTD

(72) Dolitzky, Ben-Zion;

(31) 04 608843 (32) 9 Sep 2004 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is a process for obtaining trifluoroacetyl glatiramer acetate wherein during the process a batch of a mixture of polypeptides, each of which consists of alanine, gamma-benzyl glutamate, tyrosine and trifluoroacetyl lysine is deprotected with a solution of hydrobromic acid in acetic acid, the process further comprising a step of pretreatment of the solution of hydrobromic acid with a bromine scavenger in order to remove free bromine. Also disclosed is a method of analyzing the percentage of brominated tyrosine in a sample of glatiramer acetate.

(21) 554266 (22) 2 Apr 2007

(54) Method for securing a urine meter to a urine bag

(51) IPC7:A61F5/44; A61B5/20

(71) TYCO HEALTHCARE GROUP LP

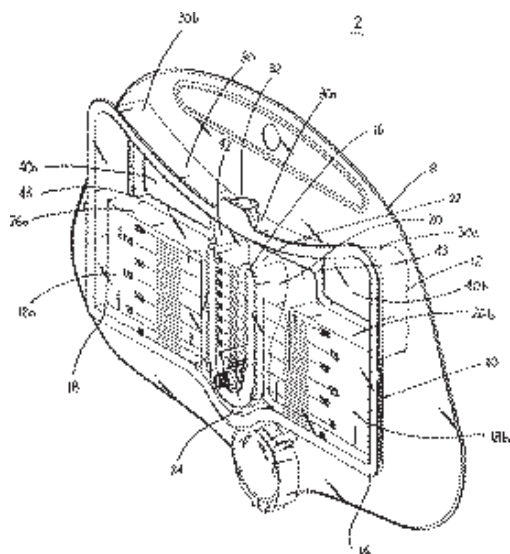
(72) Salvadori, Lawrence; Schreuer, Dennis;

(31) 06 478749 (32) 30 Jun 2006 (33) US

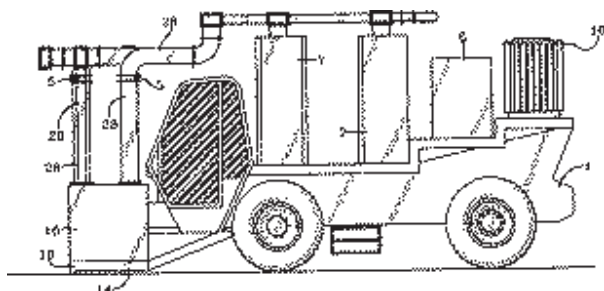
(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A method of securing a urine meter (10) to a urine collection bag (8) using RF welding is disclosed. The meter (10) is constructed from polyester terephthalate modified with glycol (PETG) and has a housing (12) that defines a fluid receptacle (16), and there is at least one drain opening (40a, 40b) positioned at an upper end of the housing. The collection bag (8) defines a fluid reservoir and includes at least one inlet opening. The meter is positioned adjacent the collection bag so that the drain opening is positioned in fluid communication with the inlet opening. An RF welding device is used to secure the meter to the bag so that the fluid receptacle is in fluid communication with the fluid reservoir via the drain opening and the inlet opening.

Divisional filed as 571072



- (21) 554280 (22) 15 Sep 2005  
 (54) Continuous method and apparatus for microwave-based dryer  
 (86) PCT/US2005/032629 (87) WO2006/031841  
 (51) IPC7:E01C23/14; H05B6/64; F26B23/00  
 (71) JOHN F. NOVAK  
 (72) Novak, John F;  
 (31) 04 522337 (32) 16 Sep 2004 (33) US  
 (74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia  
 (57) A continuous process for drying a material containing an initial degree of water is provided. The process includes the steps of:  
 (a) driving a vehicle comprising a microwave apparatus over at least a portion of the material;  
 (b) exposing the portion of the material to a heated applicator having an air flow about the portion of the material;  
 (c) exposing the portion of the material to at least two sources of microwaves, which are in non-parallel alignment to each other for a period of time sufficient to dry the portion of the material to a lower degree of water. An apparatus for performing the process is also provided.



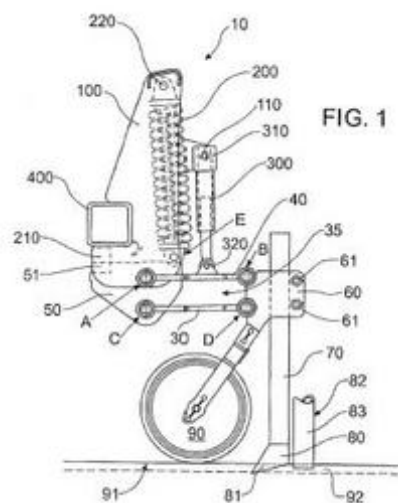
- (21) 554578 (22) 22 Oct 2004 (23) 25 Oct 2005  
 (54) A thermo-coating used in carpet and other floor covering  
 (51) IPC7:D06N7/00; B29C39/18; A47G27/02; B32B5/00  
 (71) ADVANCED ADHESIVES NZ LIMITED  
 (72) Jones, Ronald David;  
 (74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Disclosed is a thermo-coating adapted for use in flooring formed from at least: an amorphous poly-alpha-olefin; and a hydrocarbon resin se-

lected from cycloaliphatic hydrocarbon resins, polyterpene resins, phenolic resins and/or tall oil resin; wherein the thermo-coating is recyclable. The thermo-coating is substantially impervious to aqueous liquids. The thermo-coating may be provided as a tape, panel, tile, layer, laminate or the like for covering floor surface material including carpet or any other form of floor covering.

Divisional filed as 577322

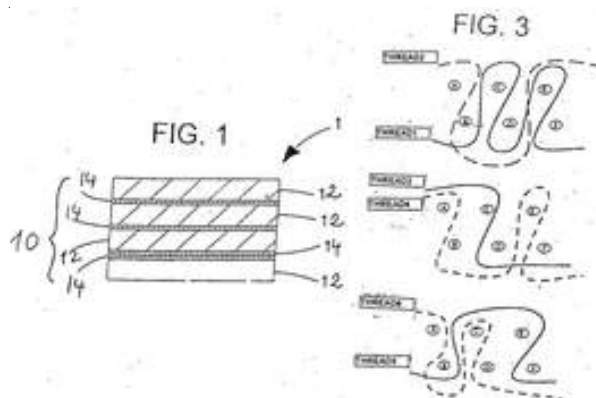
- (21) 554678 (22) 13 Oct 2005  
 (54) Improved milk powder and method of manufacture  
 (86) PCT/AU2005/001588 (87) WO2006/039759  
 (51) IPC7:A23C21/06; A23C9/00, 15, 156, 16  
 (71) Murray Goulburn Co-Operative Co Limited  
 (72) Phillips, Michael John;  
 (31) 04 905938 (32) 15 Oct 2004 (33) AU  
 (74) WATERMARK PATENT & TRADE MARK ATTORNEYS, Level 2, 302 Burwood Road, Hawthorn, Victoria 3122, Australia  
 (57) Disclosed is a method of commercially advantageous disposal of milk ultrafiltration permeate, created during the manufacture of milk protein concentrate (MPC), said method including the steps of:  
 combining said permeate with a volume of skim or whole milk; and  
 drying said combination to form a reduced-protein milk powder having a protein content of between 6% and 25% by weight on a non-fat dry solids basis; and  
 using the permeate so processed as a functional ingredient in food products, in particular using the permeate so processed as an extender for higher cost functional ingredients.

- (21) 554685 (22) 21 Sep 2005  
 (54) Ground engaging apparatus  
 (86) PCT/AU2005/001448 (87) WO2006/032094  
 (51) IPC7:A01B49/06; A01C7/18; A01C5/06  
 (71) Caplop Pty Ltd  
 (72) Sulman, Richard;  
 (31) 2004 905509 (32) 24 Sep 2004 (33) AU  
 (74) FISHER ADAMS KELLY, Level 29, Comalco Place, 12 Creek Street, Brisbane, Queensland 4000, Australia  
 (57) Disclosed is a formulation comprising 3-amino-1-propanesulfonic acid, or a salt thereof, and an enteric coating, for oral treatment or prevention of an amyloid-related disease such as Alzheimer's disease, cerebral amyloid angiopathy, inclusion body myositis, macular degeneration, Down's syndrome, mild cognitive impairment, cognitive decline or hereditary cerebral hemorrhage.



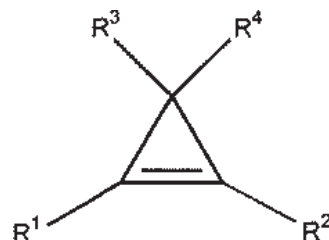
(21) 554895 (22) 3 Nov 2005  
 (54) Transcriptome microarray technology and methods of using the same  
 (86) PCT/EP2005/011783 (87) WO2006/048291  
 (51) IPC7:C12Q1/68  
 (71) ALMAC DIAGNOSTICS LIMITED  
 (72) Harkin, Paul; Johnston, Patrick; Mulligan, Karl; Tanney, Austin;  
 (31) 04 04105479 (32) 3 Nov 2004 (33) EP  
 (31) 04 04105482 (32) 3 Nov 2004 (33) EP  
 (31) 04 04105483 (32) 3 Nov 2004 (33) EP  
 (31) 04 04105507 (32) 3 Nov 2004 (33) EP  
 (31) 04 04105485 (32) 3 Nov 2004 (33) EP  
 (31) 04 04105484 (32) 3 Nov 2004 (33) EP  
 (31) 05 662276 (32) 14 Mar 2005 (33) US  
 (31) 05 700293 (32) 18 Jul 2005 (33) US  
 (74) F B RICE & CO, Level 23, 200 Queen Street, Melbourne, Victoria 3000, Australia  
 (57) Disclosed is a microarray comprising a collection of biological molecule probes capable of binding to substantially all of the gene products transcribed in a diseased tissue, wherein the probes are bound to a solid substrate.

(21) 555099 (22) 11 Oct 2005  
 (54) Anti-perforation insole for footwear  
 (86) PCT/IB2005/003228 (87) WO2006/040679  
 (51) IPC7:A43B7/32; A41D31/00; A43B13/12,38; A43B17/00; B32B5/26; F41H5/04  
 (71) LENZI EGISTO S.P.A.  
 (72) Fenzi, Roberto;  
 (31) 04 A0005 (32) 14 Oct 2004 (33) IT  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) An anti-perforation insole (1) includes a multi-layer (10) consisted of at least four layers of a fabric (12), with a double-faced weft, made of high toughness polyester fibers coupled together by a thermoplastic film or an adhesive resin; each of the layers of fabric shows a surface treated by a coating (14) of polyurethane and/or acrylic resin enriched with micronized, ceramic materials in form of silicates, for example of aluminium.

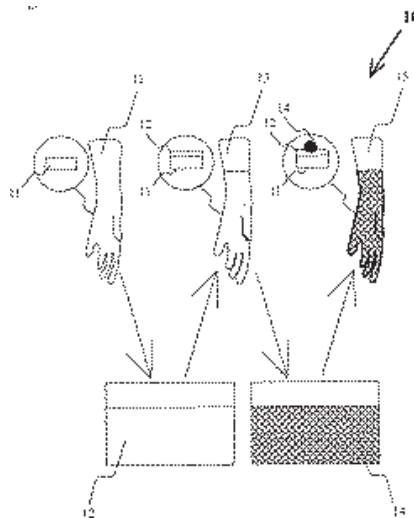


(21) 555177 (22) 15 May 2007  
 (54) Treating horticultural crop plants during reproductive stage with cyclopropene composition  
 (51) IPC7:A01N3/00; A01N27/00; C07C13/04; C08B37/16; A01N25/00; A01P21/00  
 (71) ROHM AND HAAS COMPANY  
 (72) Edgington, Todd Bryan; Holcroft, Deirdre Margaret; Oakes, Robert Lynn;  
 (31) 06 800516 (32) 15 May 2006 (33) US  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is a method of treating horticultural crop plants comprising the step of contacting said plants one or more times with a liquid composition, wherein said liquid composition comprises one or more cyclopropenes represented by the structure shown herein and as defined in the specification, and wherein said contacting is performed during a reproductive stage of said plants.



(21) 555704 (22) 13 Jan 2005  
 (54) Latex gloves and articles with geometrically defined surface texture providing enhanced grip and method for in-line processing thereof  
 (86) PCT/US2005/001002 (87) WO2006/075980  
 (51) IPC7:A41D19/00,015; A61B19/04; B29C41/14; B29D31/00  
 (71) Ansell Healthcare Products LLC  
 (72) Hassan, Noorman Bin Abu; Lucas, David M; Shani, Fazli; Narasimhan Dave;  
 (31) 05 035366 (32) 12 Jan 2005 (33) US  
 (74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand  
 (57) A latex glove comprising: an outer surface and an inner surface; the outer surface having a plurality of indentations having sharply defined internal edges, wherein the indentations provide a geometrically-defined surface texture on a portion of the outer surface; whereby the geometrically-defined surface texture provides improved dry, wet, or oil surface-gripping characteristics.



(21) 555743 (22) 1 Dec 2005  
 (54) Novel pharmaceutical composition useful for vaccines  
 (86) PCT/FR2005/002995 (87) WO2006/059009  
 (51) IPC7:A61K39/39; A61K9/10  
 (71) SA VETOQUINOL  
 (72) Moreau, Marinette; Osty, Nicolas;  
 (31) 04 0452838 (32) 2 Dec 2004 (33) FR  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand



(57) Disclosed is a pharmaceutical composition comprising at least the mixture of at least one oil, at least one surfactant and an aqueous phase, itself comprising at least one active substance, said pharmaceutical composition being in the form of an oily isotrope (a dissolution of oil in water) rather than an emulsion. The composition is particularly suitable for use as an adjuvant for a vaccine.

(21) 556061 (22) 22 Dec 2005

(54) Rescue of influenza virus

(86) PCT/EP2005/057092 (87) WO06/067211

(51) IPC7:C12N7/00; A61K39/00

(71) SOLVAY BIOLOGICALS B.V.

(72) De Wit, Emmie; Spronken, Monique I.j.; Fouchier, Ron A.m.; Osterhaus, Albert D.m.e.;

(31) 04 04078527 (32) 24 Dec 2004 (33) EP

(31) 05 641003 (32) 4 Jan 2005 (33) US

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) Disclosed is an in vitro method for producing a replicative influenza virus particle without the use of helper virus, comprising culturing a cell transfected with at least one nucleic acid, characterized in that the nucleic acid comprises an influenza gene segment and a bacteriophage polymerase promoter or the nucleic acid comprises the complement of an influenza gene segment and a bacteriophage polymerase promoter.

(21) 556110 (22) 22 Jun 2007 (23) 20 Jun 2008

(54) Spat cultivation with warp carrying looms sandwiching weed spat as a substitute carrier

(51) IPC7:A01K80/00; A01K61/00

(71) CHRISTOPHER ALLEN HENSLEY

(72) Hensley, Christopher Allen;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) An enclosure is disclosed for retaining spat consisting of two warp carrying looms so as to sandwich weed carrying spat and being presented as a substitute carrier.

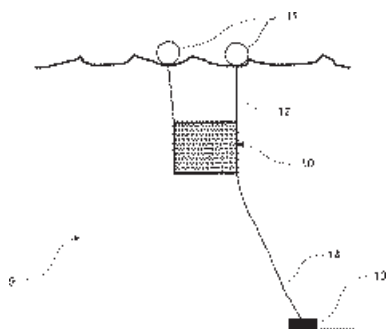


FIGURE 7

(21) 556152 (22) 25 Nov 2005

(54) Substituted pteridines for treating inflammatory diseases

(86) PCT/EP2005/056247 (87) WO2006/056607

(51) IPC7:C07D475/08; A61K31/519; A61P11/06

(71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH

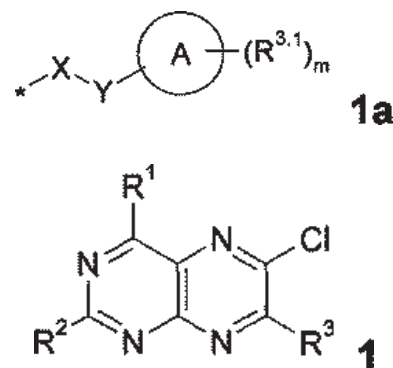
(72) Martyres, Domic; Mack, Juergen; Dollinger, Horst; Nickolaus, Peter; Jung, Birgit;

(31) 04 57618 (32) 29 Nov 2004 (33) DE

(74) BALDWIN INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is a substituted pteridine derivative of formula 1, wherein R1 denotes a saturated or unsaturated, five-, six- or seven-membered heterocyclic ring which may contain a nitrogen atom and another atom

selected from among nitrogen, sulphur and oxygen; R2 denotes a five-, six- or seven-membered heterocyclic ring which may contain a nitrogen atom and another atom selected from among nitrogen, sulphur and oxygen; and R3 denotes a group of formula 1a, wherein A denotes a monocyclic heterocyclic ring or a bicyclic ring which contains one or more heteroatoms; X denotes NR3.2, O, S; Y denotes C1-4-alkylene, substituted by one or more R3.3; m denotes 0, 1, 2; R3.1 each independently of one another denote C1-4-alkyl, aryl, COOR3.1.1, CONR3.1.1R3.1.2, CN, NR3.1.1R3.1.2, NHCOR3.1.1, OR3.1.1, O-C1-4-haloalkyl, SO2R3.1.1, SO2NH2, halogen, C1-6-haloalkyl, C1-6-alkyl-CONH2, O-C1-6-alkyl-NH2, O-C3-6-cycloalkyl, O-C1-4-alkylene-C3-6-cycloalkyl; R3.1.1 denotes H, C1-4-alkyl; R3.1.2 denotes H, C1-4-alkyl; or R3.1 together with two atoms of A forms a 5- or 6-membered carbocyclic ring or a 5- or 6-membered heterocyclic ring which may contain one or more oxygen or nitrogen atoms; R3.2 denotes H, C1-6-alkyl; R3.3 each independently of one another denote C1-6-alkyl, C1-6-alkyl-OH, C3-6-cycloalkyl, C3-6-cycloalkyl-OH, O-C1-6-alkyl, COOH, COO-C1-6-alkyl, CONH2; or R3.3 together with one or two carbon atoms of Y forms a carbocyclic ring with 3, 4, 5 or 6 carbon atoms, or a pharmacologically acceptable salt, diastereomer, enantiomer, racemate, hydrate or solvate thereof. Also disclosed is the use of a compound of formula 1 for preparing a medicament for the treatment of diseases which can be treated by inhibiting the PDE4 enzyme. The use of a compound of formula 1 for treating a range of diseases which include respiratory or gastrointestinal complaints (including inflammatory diseases of the gastrointestinal tract); inflammatory diseases of the joints, skin or eyes; cancer (selected from acute and chronic leukaemia, acute lymphatic and acute myeloid leukaemia, and chronic lymphatic and chronic myeloid leukaemia), a bone tumour (such as an osteosarcoma) and all types of glioma (such as oligodendroglioma or glioblastoma); diseases of the peripheral or central nervous system (such as depression, bipolar or manic depression, acute and chronic anxiety states, schizophrenia, Alzheimer's disease, Parkinson's disease, and acute and chronic multiple sclerosis) or acute and chronic pain as well as injuries to the brain caused by stroke, hypoxia or craniocerebral trauma; respiratory or pulmonary diseases which are accompanied by increased mucus production; inflammation and/or obstructive diseases of the airways (such as COPD, chronic sinusitis, asthma, Crohn's disease, and ulcerative colitis) is further disclosed.



(21) 556278 (22) 2 May 2003

(54) Bisphosphonic acid for the treatment and prevention of osteoporosis

(51) IPC7:A61K31/663; A61P19/10

(71) F. HOFFMANN-LA ROCHE AG

(72) Bauss, Frieder; Pichler, Bernhard; Turley, Stephen;

(31) 02 02010136 (32) 10 May 2002 (33) EP

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is the use of a bisphosphonic acid or a pharmaceutically acceptable salt thereof for the preparation of a medicament for the prevention or the treatment of disorders characterized by pathologically increased bone resorption, particularly for the prevention and treatment of osteoporosis, wherein the medicament is manufactured for oral administration of 100 to 150 mg bisphosphonic acid or a pharmaceutically acceptable salt thereof on one day per month, with the proviso that the bisphosphonic acid or pharmaceutically acceptable salt thereof is not ibandronic acid or a pharmaceutically acceptable salt thereof. A pharmaceutical composition for oral administration for the prevention or the treatment of disorders characterized by pathologically increased

bone resorption is also disclosed, wherein the composition comprises a unit dosage amount of 100 to 150 mg bisphosphonic acid or a pharmaceutically acceptable salt thereof for administration on one day per month, with the proviso that the bisphosphonic acid or pharmaceutically acceptable salt thereof is not ibandronic acid or a pharmaceutically acceptable salt thereof.

(62) Divided out of 535705

(21) 556299 (22) 21 Feb 2006

(54) Spreadable warming lubricant

(86) PCT/US2006/006063 (87) WO2006/091576

(51) IPC7:A61K9/00; A61K6/00

(71) Ansell Healthcare Products LLC

(72) Chuah, Beng S; Yeun, Tsui Shih; Lucas, David M; Narasimhan, Dave;

(31) 05 63711 (32) 23 Feb 2005 (33) US

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) A substantially anhydrous, spreadable warming lubricant composition is disclosed, which comprises a mixture of glycerine (40-60% by weight), a polyhydric alcohol (40-60% by weight), and a non-ionic surfactant (0.1-3% by weight), wherein the lubricant composition is substantially free of an insulating agent, the viscosity of the composition being less than that of glycerin but greater than that of the polyhydric alcohol, thereby promoting formation of a useful thin layer on a surface with which the composition is brought into contact, the surfactant improving wetting and spreadability of the composition on skin and latex, such that the composition can be applied to skin or a condom and provide an optimal warming effect upon contact with ambient moisture during use and such that the composition can be added to a condom package and, over the course of about a week, spread and coat nearly the entire internal and external surfaces of the condom.

(21) 560333 (22) 2 Aug 2007 (23) 4 Aug 2008

(54) Balancing of multicylinder free piston machines

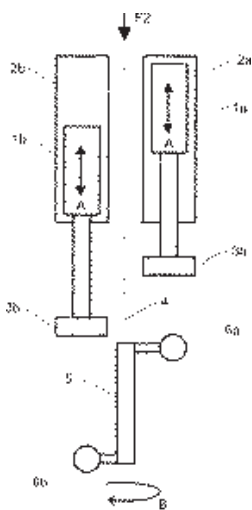
(51) IPC7:F01B11/00; F04B31/00; F04B17/04; F16F15/28,22; F01B31/04

(71) WHISPER TECH LIMITED

(72) Clucas, Donald Murray;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A machine such as an external combustion engine in an electrical power and heat cogeneration unit comprises multiple cylinders, each driving an independent load or being independently driven, and a balance shaft comprising one or more off-centre balancing mass(es) to counteract rocking motion created by the piston motion and thereby assist in dynamically balancing the machine.



(21) 560367 (22) 22 Feb 2002

(54) Novel genes encoding novel proteolytic enzymes

(51) IPC7:C07K16/40; C12N15/57; C12N9/62; G01N33/573; C12N1/21; C12N15/63

(71) DSM IP Assets B.V.

(72) Edens, Lippo; Dijk, Albertus Alard; Krubasik, Philipp; Albermann, Kaj; Stock, Alexander; Kimpel, Erik; Klugbauer, Sabine; Wagner, Christian; Fritz, Andreas; Gustedt Von, Wilk; Heinrich, Oliver; Maier, Dieter; Spreafico, Fabio; Folker, Ulrike; Hopper, Sylvia; Kemmner, Wolfram; Tan, Pamela; Stiebler, Josephine; Albang, Richard;

(31) (32) 26 Feb 2001 (33) EP

(31) (32) 26 Feb 2001 (33) EP

(31) (32) 26 Feb 2001 (33) EP

(31) (32) 26 Feb 2001 (33) EP

(31) (32) 28 Mar 2001 (33) EP

(31) (32) 28 Mar 2001 (33) EP

(31) (32) 28 Mar 2001 (33) EP

(31) (32) 28 Mar 2001 (33) EP

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(31) (32) 21 May 2001 (33) EP

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(31) (32) 21 May 2001 (33) EP

(31) (32) 30 Jul 2001 (33) EP

(31) (32) 21 Jun 2001 (33) EP

(31) (32) 21 Jun 2001 (33) EP

(31) (32) 21 Jun 2001 (33) EP

(31) (32) 21 Jun 2001 (33) EP

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(31) (32) 12 Jul 2001 (33) EP

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(31) (32) 30 Jul 2001 (33) EP

(31) (32) 30 Jul 2001 (33) EP

(31) (32) 30 Jul 2001 (33) EP

(31) (32) 2 Aug 2001 (33) EP

(31) (32) 2 Aug 2001 (33) EP

(31) (32) 2 Aug 2001 (33) EP

(31) (32) 2 Aug 2001 (33) EP

(31) (32) 2 Aug 2001 (33) EP

(31) (32) 9 Aug 2001 (33) EP

(31) (32) 20 Aug 2001 (33) EP

(31) 01 01204464 (32) 15 Nov 2001 (33) EP

(31) 01 01205117 (32) 21 Dec 2001 (33) EP

(31) 01 01000552 (32) 22 Oct 2001 (33) EP

(31) 01 01000553 (32) 22 Oct 2001 (33) EP

(31) 01 01000554 (32) 22 Oct 2001 (33) EP

(31) 01 01000556 (32) 22 Oct 2001 (33) EP

(31) 01 01000557 (32) 22 Oct 2001 (33) EP

(31) 01 01000558 (32) 22 Oct 2001 (33) EP

(31) 01 01200657 (32) 23 Feb 2001 (33) EP

(31) 01 01200660 (32) 23 Feb 2001 (33) EP

(31) 01 01200658 (32) 23 Feb 2001 (33) EP

(31) 01 01000374 (32) 16 Aug 2001 (33) EP

(31) 01 01000377 (32) 16 Aug 2001 (33) EP

(31) 01 01000483 (32) 20 Sep 2001 (33) EP

(31) 01 01000478 (32) 20 Sep 2001 (33) EP

(74) PHILLIPS ORMONDE FITZPATRICK, 367 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is an isolated polynucleotide encoding a protease, said polynucleotide being at least about 70% homologous to a polynucleotide according to SEQ ID NO: 3 or SEQ ID NO:60.

(62) Divided out of 527422

(21) 560411 (22) 22 Feb 2006

(54) Method of improving nematode tolerant or resistant plant growth

(86) PCT/EP2006/001615 (87) WO2006/089733

(51) IPC7:A01N25/00; A01N65/00

(71) Syngenta Participations AG

(72) Long, David;

(31) 05 656042 (32) 24 Feb 2005 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is a method of improving the growing characteristics of a nematode tolerant or resistant plant, which method comprises treating a plant propagation material of the plant with a pesticide having nematocidal properties. Also disclosed is a nematode tolerant or resistant plant propagation material treated by a pesticide having nematocidal properties, wherein the plant is selected from cotton, corn, cereals, vegetables, clovers, legumes, sugar cane, sugar beets, tobacco, rapeseed, sunflower, safflower, and sorghum.

Divisional filed as 577213

(21) 560412 (22) 20 Jan 2006

(54) Mucin hypersecretion inhibitors based on the structure of MANS and methods of use

(86) PCT/US2006/002032 (87) WO2006/078899

(51) IPC7:A61K38/16; A61P11/12

(71) BioMarck Pharmaceuticals, Ltd

(72) Parikh, Indu;

(31) 05 645293 (32) 20 Jan 2005 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is an isolated peptide having an amino acid sequence comprising an amino acid sequence having from 10 to 24 contiguous amino acids of a reference sequence, GAQFSTAAGGEAAVA (SEQ ID NO: 1) comprising at least the first 10 amino acids of SEQ ID NO: 1 (SEQ ID NO: 106) or an amino acid sequence comprising at least 75% sequence identity thereto, wherein at least one of the N-terminal amino acid or the C-terminal amino acid of the peptide is independently chemically modified but the N-terminal amino acid of the peptide is not myristoylated; except when the amino acid sequence comprises the sequence GAQFSKTAAGGEAAERPGGEAAVA (SEQ ID NO: 1), the N-terminal amino acid of the peptide is independently chemically modified but is not myristoylated and the C-terminal amino acid of the peptide is optionally independently chemically modified; wherein the peptide has a mucin hypersecretion-inhibiting effect when administered to a mammal in a mucin hypersecretion-inhibiting amount.

Divisional filed as 577196

(21) 560550 (22) 12 Jun 2002

(54) Nasal devices

(51) IPC7:A61M15/08

(71) Optinose AS

(72) Djupesland, Per Gisle;

(31) 01 0114272 (32) 12 Jun 2001 (33) GB

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A nasal delivery device, for delivering a substance to a nasal airway of a subject, is disclosed. The nasal delivery device comprises a mouth piece unit, a nosepiece for fitting to a nostril of a subject, at least one cuff member, and a delivery unit for delivering the substance through the nozzle of the nosepiece. A user of the device exhales through the mouth piece unit to cause closure of the oropharyngeal velum of the subject. The nosepiece includes a nozzle through which the substance in use is delivered to the nasal airway. The cuff member includes at least one lobe which, when the one cuff member is fitted in the nasal cavity of the sub-

ject, extends into a region of the nasal cavity of the subject such as to at least partially obstruct the same and prevent flow thereinto.

Divisional filed as 574933

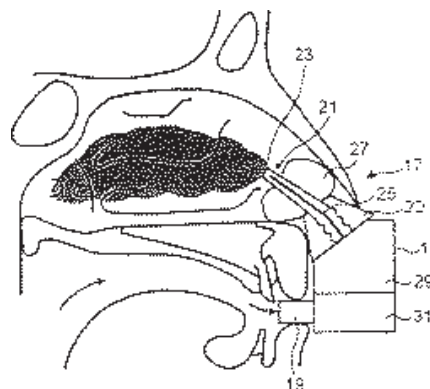


FIG. 4

(21) 560812 (22) 11 May 2007

(54) Improvements in fruit harvesting equipment

(51) IPC7:A01D46/26

(71) KING INNOVATIVE SOLUTIONS LIMITED

(72) King, Matthew James;

(74) DON HOPKINS & ASSOCIATES, Level 12, Forsyth Barr House, Johnston Street, Wellington 6011, New Zealand

(57) A fruit collector includes a flexible collection apron 30 that is supported by a plurality of battens 31 mounted on arms 32, the position of which can be adjusted by "scissor" mechanism 25, to move the apron between an extended fruit catching position and a compacted transport and fruit channelling position in which the opposite sides of the apron are brought together to define a channel to guide the fruit collected in the apron into a hopper. The arms are coupled to a mounting which is arranged to be coupled to a boom so that the collector can be positioned with the apron surrounding the trunk T of a fruit tree between the bifurcations 40 of the mounting. Tensioning ropes 33 control the movement of the apron between the extended and compacted positions.

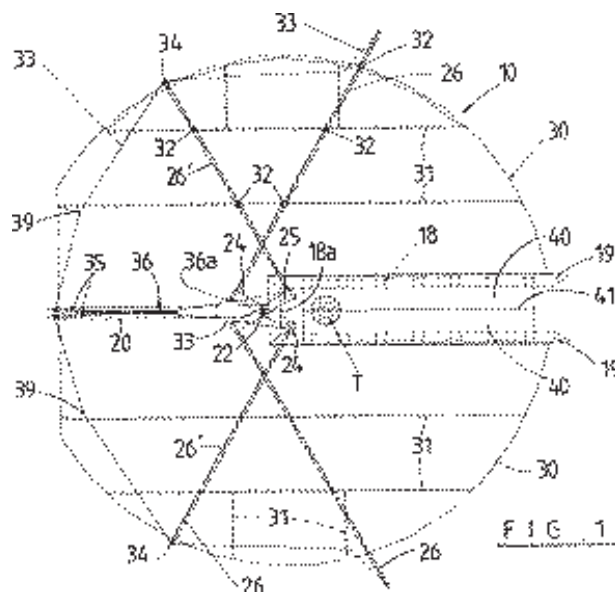


FIG. 1



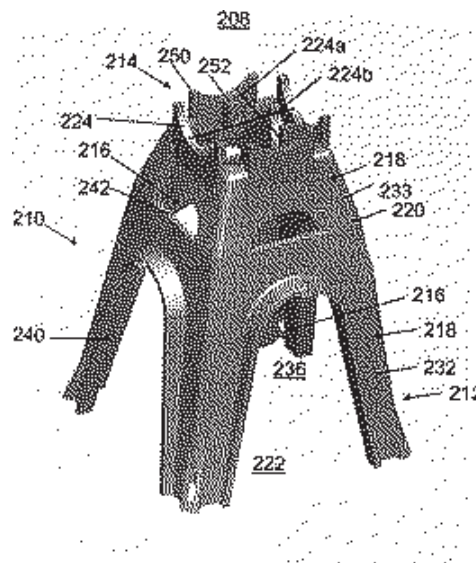
(21) 560826 (22) 28 Mar 2006  
 (54) Composition comprising weak acid and particulate L-dopa useful in the treatment of parkinson's disease  
 (86) PCT/GB2006/001132 (87) WO2006/103417  
 (51) IPC7:A61K9/20; A61K31/198  
 (71) OREXO AB  
 (72) Pettersson, Anders; Lundqvist, Thomas;  
 (31) 05 665376 (32) 28 Mar 2005 (33) US  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) Disclosed are pharmaceutical compositions that are useful for inter alia the treatment of motor fluctuations in patients receiving L-dopa for the treatment of Parkinson's disease. The compositions comprise a weakly acidic material and a pharmacologically-effective amount of L-dopa, presented in particulate form upon the surfaces of larger carrier particles.

(21) 560858 (22) 30 Oct 2002  
 (54) Compositions and methods for WT1 specific immunotherapy  
 (51) IPC7:C12N15/09; A61K35/76; A61K39/00; A61K48/00; A61P35/00,02; C07K14/47,82; C07K19/00; C12N1/15,19,21; C12N5/10  
 (71) CORIXA CORPORATION  
 (72) Gaiger, Alexander; McNeill, Patricia D; Jaya, Nomalie; Carter, Darrick;  
 (31) 01 02603 (32) 30 Oct 2001 (33) US  
 (31) 02 125635 (32) 16 Apr 2002 (33) US  
 (31) 02 195835 (32) 12 Jul 2002 (33) US  
 (31) 02 244830 (32) 16 Sep 2002 (33) US  
 (74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) Provided is a use, in the manufacture of a medicament for inducing an immune response in a human patient, of a composition comprising:  
 (a) an isolated polypeptide with a specified sequence which binds Wilms Tumor gene product (WT1); and (b) a physiologically acceptable carrier. Further provided are similar uses comprising an immune response enhancer or a fusion protein comprising a targeting signal.  
 (62) Divided out of 533220

(21) 560935 (22) 31 Jan 2006  
 (54) AXMI-018, AXMI-020, and AXMI-021, a family of delta-endotoxin genes and methods for their use as pesticides  
 (86) PCT/US2006/003434 (87) WO2006/083891  
 (51) IPC7:C07K14/325; C12N15/00,82; A01H5/00; A01N63/00; C07H21/04  
 (71) Athenix Corporation  
 (72) Carozzi, Nadine; Hargiss, Tracy; Koziel, Michael G; Duck, Nicholas B;  
 (31) 05 648578 (32) 31 Jan 2005 (33) US  
 (74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia  
 (57) Disclosed are compositions and methods for conferring pesticidal activity to plants. Compositions comprising a coding sequence for a delta-endotoxin polypeptide are provided. The coding sequences can be used in DNA constructs or expression cassettes for transformation and expression in plants and bacteria. Compositions also comprise transformed bacteria, plants, plant cells, tissues, and seeds. In particular, isolated delta-endotoxin nucleic acid molecules are provided. Additionally, amino acid sequences corresponding to the polynucleotides are encompassed. In particular, the present invention provides for isolated nucleic acid molecules comprising nucleotide sequences encoding the amino acid sequence shown in SEQ ID NO: 2, 4, or 6, or the nucleotide sequence set forth in SEQ ID NO: 1, 3, or 5, as well as variants and fragments thereof

(21) 560956 (22) 27 Aug 2007  
 (54) Rebar support chair  
 (51) IPC7:E04C5/16  
 (71) DAYTON SUPERIOR CORPORATION  
 (72) Bennett, Clifford D; Lee, Kenneth;  
 (31) 07 626331 (32) 23 Jan 2007 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand  
 (57) A chair for supporting and spacing concrete reinforcement members is disclosed. The chair comprises an integrally formed body that includes an upper receiving area and a lower base. The upper receiving area has a vertical fin that defines an open notch. The vertical fin is in the form of a vertically projecting structure that has uniform lateral extents, which includes structures providing upwardly oriented stepwise and/or progressively expanding voids defined within such extents. The open notch receives a concrete reinforcement member, and is defined as that space directly above the entirety of the notch which is free from obstructions, those obstructions being overhangs, latching projections, or other means for impeding the vertical movement of the reinforcing bar.  
 Divisional filed as 577040



(21) 561075 (22) 1 Mar 2006  
 (54) Varicella zoster virus vaccine  
 (86) PCT/EP06/002070 (87) WO2006/094756  
 (51) IPC7:C07K14/04; A61K39/25,39; A61P31/22; C12N7/04  
 (71) GLAXOSMITHKLINE BIOLOGICALS S.A.  
 (72) Hanon, Emmanuel Jules; Stephenne, Jean;  
 (31) 05 0504436 (32) 3 Mar 2005 (33) GB  
 (74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand  
 (57) Disclosed is the use of an immunogenic composition comprising VZV gE, wherein the gE is not in the form of a fusion protein, and an adjuvant comprising QS21, 3D-MPL and liposomes in the preparation of a medicament for the prevention of shingles and/or post herpetic neuralgia.

(21) 561138 (22) 3 Mar 2006  
 (54) Anti-CTLA4 antibody and indolinone combination therapy for treatment of cancer  
 (86) PCT/US2006/007651 (87) WO2006/101692  
 (51) IPC7:A61K39/395; A61P35/00; C07K16/28  
 (71) Pfizer Products Inc.  
 (72) Gomez-Navarro, Jesus; Baum, Charles Michael;  
 (31) 05 664653 (32) 23 Mar 2005 (33) US  
 (74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand  
 (57) Disclosed is the use of a therapeutically effective amount of an anti CTLA4 antibody or an antigen-binding portion thereof, in combination with a therapeutically effective amount of an indolinone receptor tyrosine kinase inhibitor (RTKI) for the manufacture of a medicament for the treatment of cancer.



(21) 561168 (22) 8 Jul 2003

(54) Proteins binding to cross-beta structure comprising amyloid and methods for detection and modulation of the cross-beta structure, its formation and its associated toxicity

(51) IPC7:C12N9/72; A61K39/395; A61K31/195,00; G01N33/53; A61K31/197,198,7004; A61P3/10; A61P7/04; A61P9/10; A61P31/00; A61P35/00; A61P37/00

(71) CROSSBETA BIOSCIENCES B.V.

(72) Gebbink, Martin Frans Ben Gerard; Bouma, Barend; Kranenburg, Onno Wouter; Kroon, Louise Maria Johanna;

(31) 02 02077797 (32) 9 Jul 2002 (33) EP

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is the use of a compound capable of binding to a crossbeta structure for the preparation of a medicament for diminishing unfolded proteins having adopted a partially structured conformation, involved in a conformational disease, wherein said compound is an antibody or comprises a finger domain, wherein said finger domain is derived from fibronectin, FXII or HGFa, and wherein said disease is a disease characterized by amyloid, atherosclerosis, diabetes, bleeding, thrombosis, cancer, sepsis, Multiple Sclerosis, auto-immune diseases, rheumatoid arthritis, disease associated with loss of memory or Parkinson's disease and/or epilepsy.

(62) Divided out of 537495

(21) 561253 (22) 14 Apr 2004

(54) Manipulation of organic acid biosynthesis and secretion using malate dehydrogenase (MDH) from Trifolium

(51) IPC7:C12N15/29; A01H5/00; C12N9/02

(71) Agriculture Victoria Services Pty Ltd

(72) Spangenberg, German; Ong, Eng Kok; Emmerling, Michael; Mendez, Ramiro; Panter, Stephen; Labandera, Marcel;

(31) 03 901796 (32) 14 Apr 2003 (33) AU

(31) 04 901259 (32) 10 Mar 2004 (33) AU

(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is a substantially purified or isolated nucleic acid or nucleic acid fragment encoding malate dehydrogenase (MDH) from a Trifolium species and the use thereof for the modification of organic acid biosynthesis and secretion in plants.

Divisional filed as 575482

(21) 561329 (22) 22 Jul 2003

(54) Fruit and/or vegetable derived composition

(51) IPC7:A61K7/42; A61K35/78; A23L1/212; A61K9/06; A61P17/00; A61P19/00,02,06; A61P17/02,04,06,08,14

(71) Phoenix Eagle Company Pty Ltd

(72) McArthur, Thomas James;

(31) 02 950308 (32) 23 Jul 2002 (33) AU

(74) Pizzey's Patent and Trade Mark Attorneys, Level 2, Woden Plaza Offices, Woden Town Square, Woden, ACT 2606, Australia

(57) There is provided a composition derived from fruit and/or vegetables comprising at least one fruit and/or vegetable-derived pulp and a mild base, the composition having a pH in the range of about 7.5 to 9.5.

(62) Divided out of 537863

(21) 561330 (22) 16 Nov 2005

(54) Method and tool for maintenance of hard surfaces, and a method for manufacturing such a tool

(86) PCT/EP2005/012360 (87) WO2006/097141

(51) IPC7:B24B7/18; A47L13/16; B24D11/00; B24D13/14

(71) HTC SWEDEN AB

(72) Thysell, Hakan;

(31) 05 05005570 (32) 15 Mar 2005 (33) EP

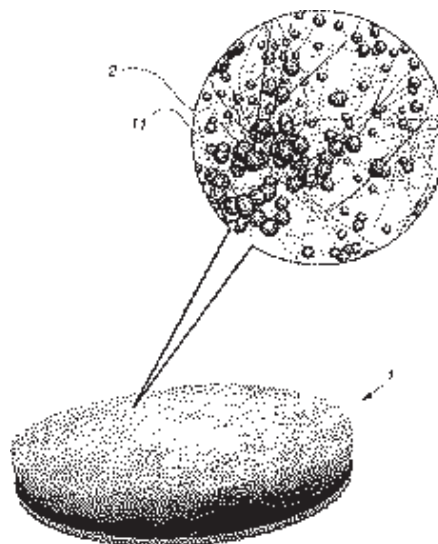
(31) 05 79081 (32) 15 Mar 2005 (33) US

(74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand

(57) A method for maintaining a hard, smooth floor surface, the surface comprising a material selected from a group consisting of wood, polymer

material, lacquer and linoleum, the method comprising treatment of the surface with a flexible pad comprising of an open, lofty, three dimensional non-woven web of fibers 2, in the presence of abrasive particles 11, bonded to the pad, on a contact surface between the pad and the hard surface, wherein the abrasive particles 11 comprise diamond particles 11.

Divisional filed as 563702



(21) 561616 (22) 18 Sep 2007

(54) Safety connector assembly for preventing inadvertant connection of tubing or other conduits

(51) IPC7:A61M39/10; F16L37/00

(71) Covidien AG

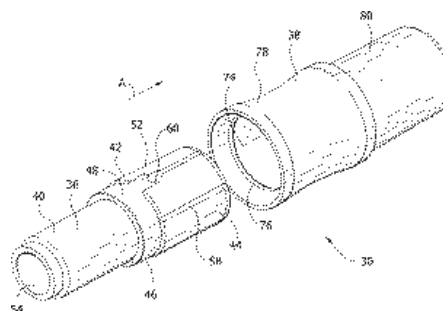
(72) Hanlon, James G.; Swisher, David Rork; Meyer, Ann P.; Bock, Malcolm G.;

(31) 06 533924 (32) 21 Sep 2006 (33) US

(31) 07 852841 (32) 10 Sep 2007 (33) US

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) A connector assembly (30) for preventing sealing connection with a non-permitted, substantially uniform internal diameter conduit having an end face is disclosed. The connector assembly (30) comprises a first connector (36) having a floor (46) and a coupling portion (42). The coupling portion (42) projects outward from the floor (46), the coupling portion (42) including a sealing surface (48) and a non-sealing surface (52), the non-sealing surface (52) being located closer to a free end (44) of the first connector (36) than the sealing surface (48), the non-sealing surface (52) being sized and shaped to hold the non-permitted conduit off of the sealing surface (48) and prevent sealing therewith though the action of the passages (58). A bleed passage (60) is located generally adjacent the floor (46) for bleeding fluid out of the connector assembly (30).



(21) 561626 (22) 17 Sep 2007

(54) Livestock footbath system

(51) IPC7:A01K13/00

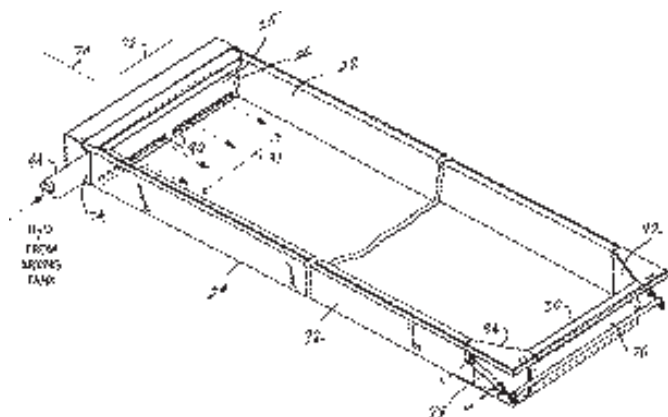
(71) BOU-MATIC TECHNOLOGIES CORPORATION

(72) Rajkondawar, Parimal G; Nelson, William S; Kobryn, Alexander P; Eckhardt, Shawn R;

(31) 06 528290 (32) 27 Sep 2006 (33) US

(74) CALLINANS, 1193 Toorak Road, Camberwell, Victoria 3124, Australia

(57) A footbath system and methods for cleaning the hooves of livestock are disclosed. The system includes a pan for the livestock to walk through. Footbath liquid is supplied to the pan via a manifold (25) through an inlet (90) in an upstream end wall (26) of the pan. The pan has a door (76) in a downstream end wall (30) so that liquid can be retained in the pan when the door is closed, and the pan can be drained by opening the door. A tank separate to the pan mixes water and chemicals received from external sources, and supplies the mixed footbath liquid through an outlet conduit (44) to the pan inlet. A tank inlet conduit receives the water and the tank acts to isolate the inlet conduit from the outlet conduit so that liquid pressure in the liquid supply to the pan is isolated from the water pressure in the tank water supply. The footbath liquid is supplied to the pan through the manifold in non-turbulent flow for either position of the door.



(21) 561676 (22) 16 Mar 2005

(54) Methods and device for transmitting, enclosing and analysing fluid samples

(86) PCT/SG2005/000082 (87) WO2006/098696

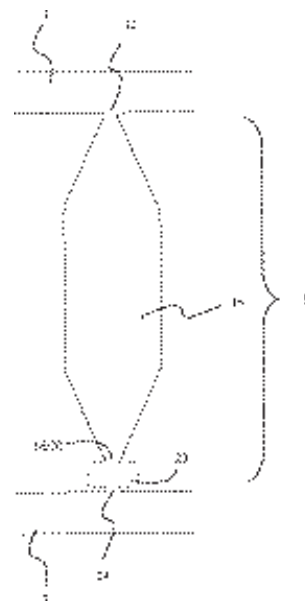
(51) IPC7:B01L3/00; G01N1/28

(71) Attogenix Biosystems Pte Ltd.

(72) Oviso, Dominador Fortaleza; Ting, Dor Ng;

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A microfluidic device for analysing a fluid sample, comprising at least one sample transmission channel 1, at least one multi-functional channel 3 and at least one reactor module 11 fluidly connecting the sample transmission channel 1 to the multi-functional channel 3. The reactor module 11 comprises at least one reaction chamber 15 having at least one inlet in fluid communication with the at least one sample transmission channel 1, and at least one fluid isolation chamber 23, the fluid isolation chamber 23 being in fluid communication with at least one outlet 18/20 of the at least one reaction chamber 15, wherein the fluid isolation chamber 23 isolates the fluid sample from the least one multi-functional channel 3.



(21) 562306 (22) 4 Jul 2003

(54) Electroporation device and injection apparatus

(51) IPC7:A61M5/168; A61N1/30; A61M5/20,00

(71) Inovio AS

(72) Mathiesen, Jacob; Tjelle, Torunn Elisabeth; Rekdahl, Knut Arvid Sorensen; David-Andersen, Bjorn;

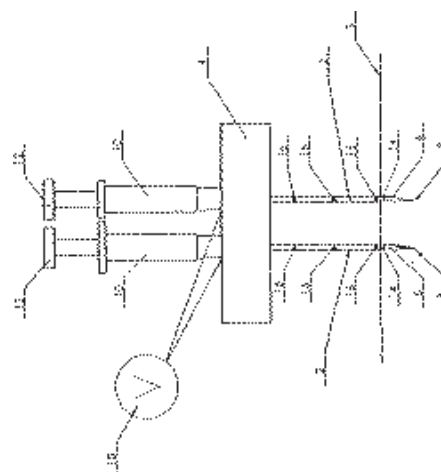
(31) 02 0215523 (32) 4 Jul 2002 (33) GB

(31) 02 0215529 (32) 4 Jul 2002 (33) GB

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) An electroporation apparatus is provided for injecting a fluid into body tissue, the apparatus comprising: a hollow needle (6); a fluid delivery means (12, 10); and a means (18) for applying an electric current to the needle or to an electrode which has replaced the needle, wherein the apparatus is adapted to actuate the fluid delivery means in use so as to automatically, concurrently and gradually inject fluid into body tissue along the trajectory of the needle during insertion of the needle into the body tissue, and to subsequently apply an electric current to the needle or electrode.

Divisional filed as 566578







(72) Srinath, Sumithra; Puthiaprampil, Tom Thomas; Chandrapa, Ravindra; Ganesh, Sambasivam;

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) The present disclosure relates to a process for the preparation of the HMG-CoA reductase inhibitor, fluvastatin, more specifically to a process for the preparation of amorphous form of fluvastatin sodium, wherein the process comprises:

- (a) dissolving the sodium fluvastatin in methanol followed by stirring,
- (b) filtering the solution obtained from step (a) over a celite bed,
- (c) concentrating the methanol extract to get a residue,
- (d) isolating the residue to get amorphous form of fluvastatin sodium; and
- (e) optionally subjecting the isolated amorphous form of fluvastatin sodium to drying.

(21) 562815 (22) 25 Oct 2007

(54) A pipe coupling arrangement and a pipe fitting including the pipe coupling arrangement

(51) IPC7:F16L25/14; F16L21/00; F16L41/02

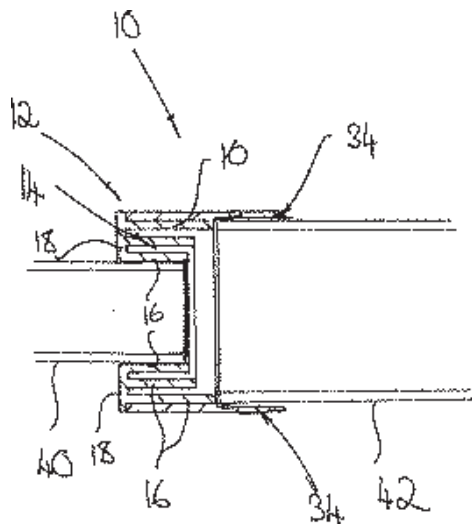
(71) Plastec Australia Pty Ltd

(72) Eyley, Brian;

(31) 06 905931 (32) 25 Oct 2006 (33) AU

(74) IP Gateway Patent and Trademark Attorneys, Suite 2, 18 Carol Avenue, Springwood, Brisbane, Queensland 4127, Australia

(57) Fittings for coupling pipes (40, 42) together, where a single fitting can be used for a range of pipes of different sizes, are disclosed. The fitting (10) includes a body through which fluid can flow, and at least two pipe coupling arrangements positioned along the body for coupling to respective pipes. A first coupling arrangement (12) includes at least one gang (14) of pipe coupling formations, where each gang comprises two or more different sized pipe coupling formations (16). Each pipe coupling formation is received within the next larger pipe coupling formation, and adjacent formations are attached by a liquid impervious barrier (18). In use, a hole of appropriate size for the pipe (40) to be connected is cut in the barrier to open up the correct sized pipe coupling formation.



(21) 562921 (22) 24 May 2006

(54) Genetically modified microorganism and process for production of macrolide compound using the microorganism

(86) PCT/JP2006/310835 (87) WO2006/126723

(51) IPC7:C12N15/09; C12N1/21; C12P17/08; C12R1/465

(71) Mercian Corporation; Eisai R&D Management Co., Ltd.

(72) Machida, Kazuhiro; Yasuhide, Aritoku;

(31) 05 154114 (32) 26 May 2005 (33) JP

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Provided is a recombinant microorganism, which has the ability to produce a padienolid compound hydroxylated at position 16 and which comprises a) DNA encoding a polypeptide participating in biosynthesis of the parent compound and b) DNA encoding a polypeptide having 16-position hydroxylating enzyme activity. Further provided are said recombinant microorganisms with specified DNA sequences for the polypeptides and methods of producing hydroxylated padienolid by culturing the recombinant microorganisms.

(21) 562934 (22) 30 Oct 2007 (23) 30 Jan 2009

(54) Improved RFID reader

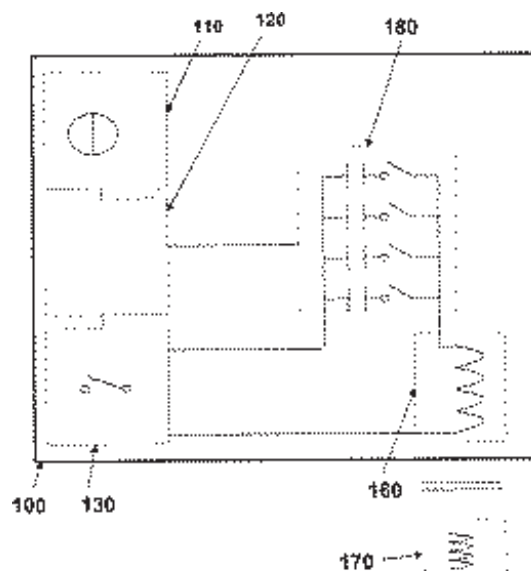
(51) IPC7:G06K7/08

(71) GALLAGHER GROUP LIMITED

(72) Lawrence, Simon Mathew; Long, Murray Donald; Guan, Jian;

(74) JAMES & WELLS, Level 9, James and Wells Tower, 56 Cawley Street, Ellerslie, Auckland, New Zealand

(57) An identification reader for reading a transponder is provided. The identification reader includes a signal generator capable of generating a signal having a first resonant frequency equivalent to the resonant frequency of the transponder; and a series resonant circuit including at least an inductive antenna and at least one impedance element, configured to receive and transmit the signal. The identification reader includes a controller configured to alter the impedance of the impedance element in order to reduce the level of coupling between the series resonant circuit and the transponder. A method of adjusting the range of an identification reader is also provided.



(21) 562935 (22) 10 Feb 1997

(54) Human antibodies that bind human TNFalpha

(51) IPC7:C12N15/13; A61K39/395; C07K16/24; C12N1/21

(71) Abbott Biotechnology Ltd.

(72) Salfeld, Jochen G; Allen, Deborah J; Kaymakcalan, Zehra; Labkovsky, Boris; Mankovich, John A; McGuinness, Brian T; Roberts, Andrew J; Sakorafas, Paul; Hoogenboom, Hendricus R J M; Schoenhaut, David; Vaughan, Tristan J; White, Michael; Wilton, Alison J;

(31) 96 31476 (32) 25 Nov 1996 (33) US

(31) 96 599226 (32) 9 Feb 1996 (33) US

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Provided is the use of an isolated human antibody, or antigen-binding portion thereof, in the manufacture of a medicament for the treatment of rheumatoid arthritis in combination with methotrexate, wherein the isolated human antibody, or an antigen-binding portion thereof, dissociates



from human TNFalpha with a Kd of  $1 \times 10^{-8}$  M or less and a Koff rate constant of  $1 \times 10^{-3}$  s<sup>-1</sup> or less, both determined by surface plasmon resonance, neutralizes human TNFalpha cytotoxicity in a standard in vitro L929 assay with an IC50 of  $1 \times 10^{-7}$  M or less, and neutralizes TNFalpha-induced cellular activation in a standard in vitro assay for TNFalpha-induced ELAM-I expression on human umbilical vein endothelial cells (HUVEC).

Divisional filed as 576716

(21) 562953 (22) 19 Jun 2003

(54) Processes for preparing substituted pyrimidines and pyrimidine derivatives as inhibitors of protein kinases

(51) IPC7:C07D403/12; C07D401/14; C07D403/14; A61K31/506; C07D239/34; C07D453/02

(71) Vertex Pharmaceuticals Incorporated

(72) Charrier, Jean-Damien; Mazzei, Francesca; Kay, David; Miller, Andrew;

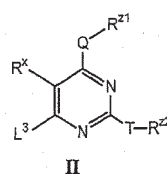
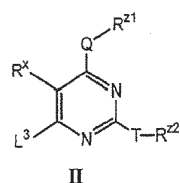
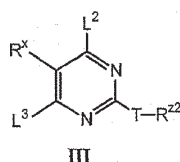
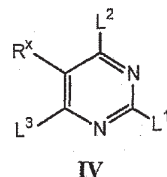
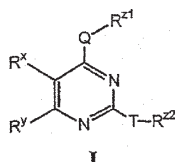
(31) 02 390658 (32) 20 Jun 2002 (33) US

(31) 02 411609 (32) 18 Sep 2002 (33) US

(74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwin's Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Disclosed is a method for preparing a compound of formula I where the substituents are as described in the specification, wherein compounds of formula IV with are reacted with compounds of formula Rz2-TH to form a compound of formula III which is then reacted which a compound of Rz1-QH to form a compound of formula II which is in turn reacted with a compound of Ry-H in order to form a compound of formula I.

Divisional filed as 576752



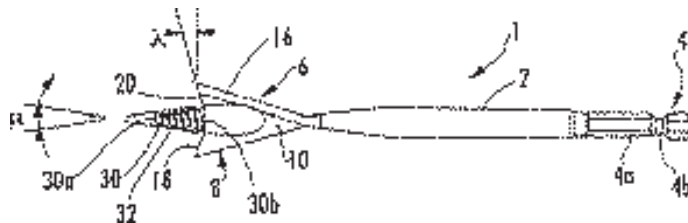
(71) IRWIN INDUSTRIAL TOOL COMPANY

(72) DURFEE, LAVERNE R;

(31) 06 554801 (32) 31 Oct 2006 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A spade type drill bit is disclosed. The bit comprises a shank (2) having a cutting member (6) located at one of the ends, the cutting member includes a pair of helically shaped opposing blades (16) which extend around a longitudinal axis of the shank in an arc, and an axially extending threaded pilot screw (30) conical in shape and having an angle (Mu) of between 15 and 35 degrees.



(21) 563028 (22) 31 Oct 2007

(54) Safety drum with lid assembly

(51) IPC7:B65D1/12; B65D43/16,22; B65D55/02

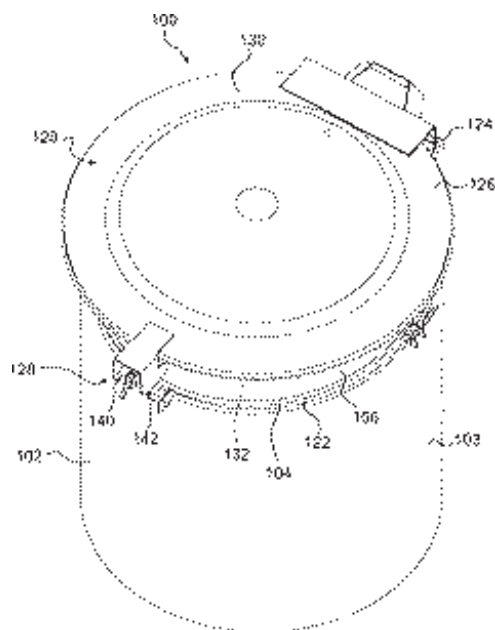
(71) JUSTRITE MANUFACTURING COMPANY

(72) Goddard, Mark T;

(31) 06 593340 (32) 6 Nov 2006 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A drum (102) with a lid and a rotary latch, with particular use for containing chemical solvents and wastes, is disclosed. A band (122) is removably mounted to the drum, and the lid is movably attached to the band. A retention bar (142) is mounted to either the band or the lid, and the rotary latch (140) is attached to the other of the band or lid. The latch receives the retention bar when the lid is in a closed position. The latch can be moved between a locked position, in which the latch is retentively engaged with the retention bar, and a released position, in which the latch may be moved with respect to the retention bar.



(21) 562970 (22) 30 Oct 2007

(54) Improved spade type-bit

(51) IPC7:B23B51/00,02; B27G15/00,02

(21) 563255 (22) 5 Apr 2004

(54) Axle clamp assembly top pad

(51) IPC7:B60G11/12

(71) HENDRICKSON INTERNATIONAL CORPORATION

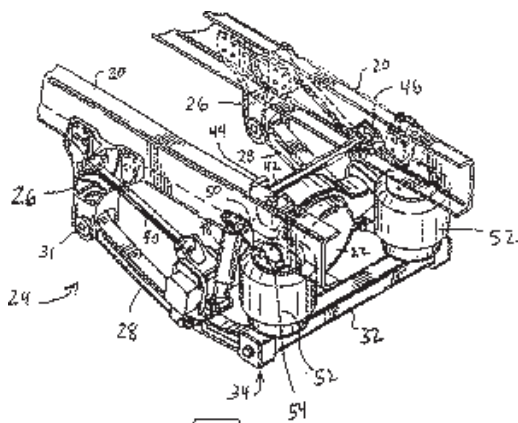
(72) Dudding, Ashley Thomas; Stuart, John Wayne; Thomas, Jason Steby;

(31) 03 406810 (32) 3 Apr 2003 (33) US

(74) CALLINANS, 1193 Toorak Road, Camberwell, Victoria 3124, Australia

(57) An axle clamp assembly top pad for connecting a vehicle suspension component to an axle. The top pad comprises: a base member having a top surface and a bottom surface adapted to accept an axle; a first ear extending vertically from the top surface of the base member and having a bore; and a second ear spaced apart from the first ear extending vertically from the top surface of the base member and also having a bore. The second ear has a flattened top surface. The bores of the first and second ears are aligned. The second ear includes two sides extending at an incline from the base member upwards towards the flattened top surface. The flattened top surface is designed to selectively strike an axle stop mounted to a vehicle frame rail to prevent excessive vertical movement of an axle relative to the vehicle frame rail.

(62) Divided out of 542789



(21) 563275 (22) 14 Apr 2004

(54) Chalcone synthase dihydroflavonol 4-reductase and leucoanthocyanidine reductase from clover to modify the level of condensed tannins

(51) IPC7:C12N15/82; C12N9/02,10,04

(71) Agriculture Victoria Services Pty Ltd; AgResearch Limited

(72) Emmerling, Michael; Simmonds, Jason; Spangenberg, German; Winkworth, Amanda; Panter, Stephen;

(31) 03 901797 (32) 14 Apr 2003 (33) AU

(31) 03 904369 (32) 14 Aug 2003 (33) AU

(74) Freehills Patent & Trade Mark Attorneys, Level 43, 101 Collins Street, Melbourne, Victoria 3000, Australia

(57) Disclosed is a substantially purified or isolated nucleic acid or nucleic acid fragment encoding leucoanthocyanidine reductase (LAR) from a clover (*Trifolium*) species.

(62) Divided out of 542732

(21) 563353 (22) 13 Nov 2007

(54) Brake equipment for holding and braking a lift cage in a lift installation and a method of holding and braking a lift installation

(51) IPC7:B66B5/16,18,22

(71) INVENTIO AG

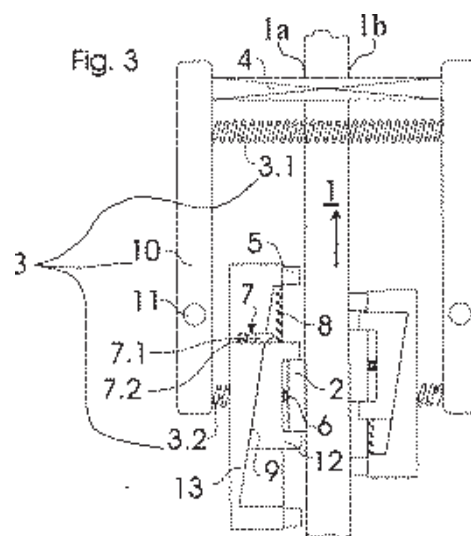
(72) Gremaud Nicolas; Baur, Mathis; Fischer, Daniel;

(31) 06 125391 (32) 5 Dec 2006 (33) EP

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) The brake equipment for holding and braking a lift cage in a lift installation is movable relative to a brake track 1 along the brake track in two directions of travel, and includes a mount 12, 13 with a brake lining 2.

The mount together with the brake lining is releasable by an actuator 4 and in the unreleased, activated state the mount and the brake lining is biased against the brake track 1 by a biasing force produced by compression spring 3.1 acting on lever 10, so that when the brake equipment is at a standstill the brake lining produces a holding force acting in both directions of travel and defined substantially by the biasing force. In the unreleased, activated state of the brake equipment and following relative movement of the brake equipment in at least one of the directions of travel, the mount 12 of the brake lining moves along the wedge surface 9 between the mounts 12 and 13 forcing the mount away from the track and thus automatically recompressing the compression spring 3.1 and increasing the force biasing the mount and the brake lining against the brake track to produce a braking force directed against the direction of travel of the brake equipment which is defined substantially by the recompressed biasing force.



(21) 563374 (22) 19 Sep 2003

(54) Imidazopyrazines as cyclin dependent kinase inhibitors

(51) IPC7:C07D487/04; A61K31/495; A61P35/00

(71) Schering Corporation

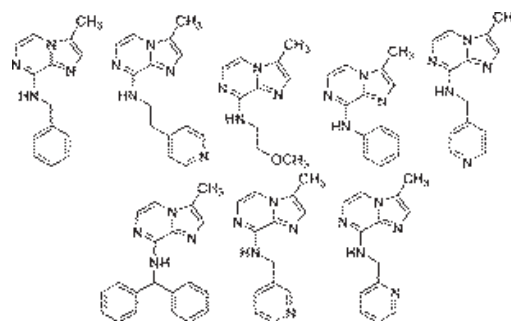
(72) Paruch, Kamil; Guzi, Timothy J; Dwyer, Michael P; Doll, Ronald J; Girijavallabhan, Viyyoor M; Mallams, Alan K;

(31) 02 412997 (32) 23 Sep 2002 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed are compounds of the formula shown and pharmaceutically acceptable salts and solvates thereof. The compounds of the invention are cyclin-dependent kinase inhibitors useful in the treatment of ovarian cancer.

(62) Divided out of 538685



(21) 563450 (22) 15 May 2003

(54) System and method for filtering and organizing items based on common elements

(51) IPC7:G06F17/30

(71) MICROSOFT CORPORATION

(72) Kaasten, Shaun A; Moore, Jason F; Tubbs, Kenneth M; Ivanovic, Relja; De Vorchik, David D; Banks, Richard M; Miner, Patrice L;

(31) 03 403341 (32) 27 Mar 2003 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) In a computer system having a display and a memory for storing items with metadata properties, a method of filtering items comprises representing a plurality of items on the display. The individual items within the plurality of items have metadata properties and a metadata property is a category of metadata and a metadata value is the entry in a metadata property for a specific item. The method further comprises determining a common metadata property that is associated with at least two of the plurality of items; selecting a first metadata value from an item having the common metadata property as a filter term; representing the filter term on the display; receiving a user selection of the filter term; and responsive to the user selection, reducing the items that are represented on the display by representing on the display only those of the items that have the common metadata property that corresponds to the filter term.

(62) Divided out of 533789

(21) 563512 (22) 19 Nov 2007

(54) Process to obtain (implement and maintain) water bodies larger than 15,000 M3 for recreational use with color transparency and cleanness characteristics similar to swimming pools or tropical seas at low cost

(51) IPC7:C02F1/52,72; C02F9/04; E04H4/00,02; E02B15/00; E04H4/16; E02B15/04

(71) Crystal Lagoons Corporation LLC

(72) Torres, Fernando Benjamin Fischmann;

(31) 06 3225 (32) 21 Nov 2006 (33) CL

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) A process to implement and maintain water bodies larger than 15,000 m3 for recreational use, such as lakes or artificial lagoons is disclosed, wherein said process comprises:  
(a) providing a structure with skimmers able to contain a large water body larger than 15,000 m3;  
(b) feeding the structure of step (a) with inlet water having iron and manganese levels lower than 1.5 ppm and turbidity lower than 5 NTU;  
(c) measuring water pH, ideally it should be within a range lower than 7.8;

(d) adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ROP is controlled in water for a minimal period of 4 hours and in maximal cycles of 48 hours;  
(e) adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants; and

(f) generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

Also disclosed is a structure to contain a water body larger than 15,000 m3, such as lakes or artificial lagoons, for recreational use, said structure being specially designed to carry out the above process.

Further disclosed is a suction device specially designed for use in said process for cleaning the bottom of a structure able to contain a water body larger than 15,000 m3, such as lakes or artificial lagoons, for recreational use, said device operating by suctioning precipitated impurities through a pumping system of said structure, wherein said device comprises a structuring frame, a covering housing with coupling means to be coupled to the pumping system, rolling means for continuous displacement over the surface to be cleaned and cleaning means consisting of a suction line and a brush line to remove the material to be cleaned.

(21) 563514 (22) 9 Sep 2005

(23) 8 Sep 2006

(54) A graffiti security system

(51) IPC7:G08B13/189; F16K31/02

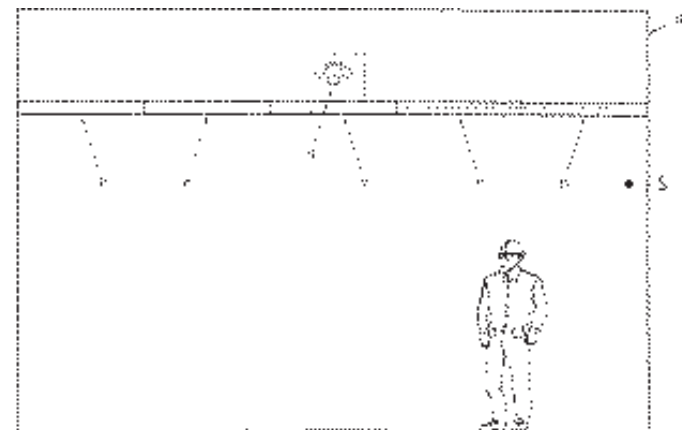
(71) ANTHONY BICKNELL

(72) Bicknell, Anthony George;

(74) ELLIS VERBOEKET TERRY, Level 12, Forsyth Barr House, Johnston Street, Wellington, New Zealand

(57) A system (10) for graffiti prevention is disclosed. The system includes a number of nozzles for creating a spray and/or mist of liquid delivered from a pump in response to a signal received from a motion sensor (19). The sprayed liquid both discourages a person from coming into the area monitored by the motion sensor, and prevents spray paint from adhering to surfaces in the vicinity of the nozzles.

(62) Divided out of 542313



(21) 563529 (22) 19 Nov 2007 (23) 19 Nov 2008

(54) Size grading by air classification to prevent compaction of lime for aerial distribution

(51) IPC7:C05D3/02; C09K17/06; B07B1/00; B07B4/00

(71) Ravensdown Fertiliser Co-Operative Limited

(72) Chaffey, Vaughan Peter;

(74) BALDWINS INTELLECTUAL PROPERTY, Level 14, Baldwins Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) Agricultural lime (i.e. limestone rock ground into particles that will mostly pass through a 2mm sieve) is separated into coarse particles and a fine particle fraction (sub 100 micron particle size) using an air classification process, and the coarse particle fraction is used as lime for aerial topdressing that will not generally compact in the aircraft hopper as a result of aircraft vibration and can be relied on to flow freely out of the hopper when required.

(21) 563547 (22) 21 Nov 2007

(54) An apparatus and method for toasting of barrels

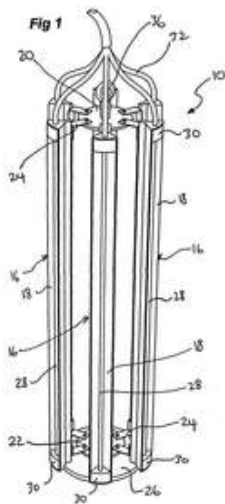
(51) IPC7:B27H5/08; B27M1/06

(71) Southern Cross Cooperage Pty Ltd

(72) Waterman, Breck;

(74) LESICAR PERRIN, 49 Wright Street, Adelaide, South Australia 5000, Australia

(57) An apparatus for toasting an inside surface of a wooden barrel is disclosed. The apparatus 10 includes a heating means 16 configured to be insertable and removable from inside the barrel. A means of rotatably oscillating the heating means by a predetermined angle is also described to facilitate uniform heating of the inside surface.



(21) 563744 (22) 5 Jul 2006 (23) 16 May 2007

(54) A grapple

(51) IPC7:B66C1/42; B60P1/02

(71) THE FEEDER LEADER COMPANY LIMITED

(72) Cameron, Terrance William;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A grapple has top and bottom jaw assemblies, the bottom assembly having a skeletal gripping region to co-act with the skeletal gripping region of the top jaw assembly, with the top jaw being able to be articulated with respect to the bottom jaw to close the jaws. The bottom jaw has a form able to free stand upright on a surface to present an upwardly curved lower gripping region from discrete fingers at its distal region, and above the curved region a non curved gripping region. When the jaw assemblies are fully closed, parts of the distal region of transversely linked fingers of the top jaw assembly interpose the discrete fingers of the bottom jaw assembly and the grapple can free stand on a surface in the fully closed position even when not mounted on a vehicle.

(62) Divided out of 548313

(21) 563709 (22) 26 Nov 2007

(54) Balanced lift system with independently driven upper and lower cages and with single counterweight

(51) IPC7:B66B7/06,08

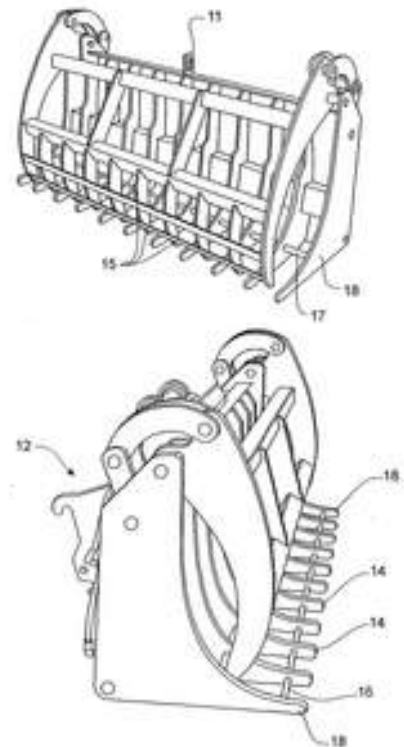
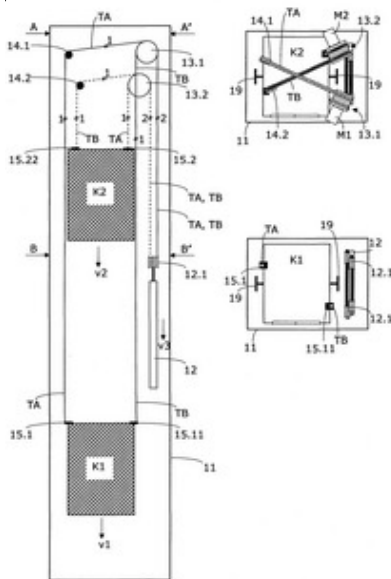
(71) INVENTIO AG

(72) Kocher, Hans Sonnmatt;

(31) 06 12617720 (32) 14 Dec 2006 (33) EP

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) A balanced lift system (10) with a lower lift cage (K1) and an upper lift cage (K2) in a common lift shaft, having respective drives (M1, M2) and a single counterweight (12) is disclosed. Two parallel extending guide rails (19) lie in the region of a vertical centre plane. A support means (TA, TB) for the lift cages and the counterweight comprises two separate support means strands. The lower lift cage (K1) is fixed at two substantially diagonally opposite points of a horizontal plane each at a respective end of the support means TA or TB. The upper lift cage (K2) is similarly fixed at two diagonally opposite points of a horizontal plane each at an end of the support means TA or TB, wherein the two diagonals intersect.



(21) 563835 (22) 28 Nov 2007

(54) Lift with two lift cages disposed one above the other in a shaft

(51) IPC7:B66B11/00,04,08; B66B9/00

(71) INVENTIO AG

(72) Kocher, Hans Sonnmatt;

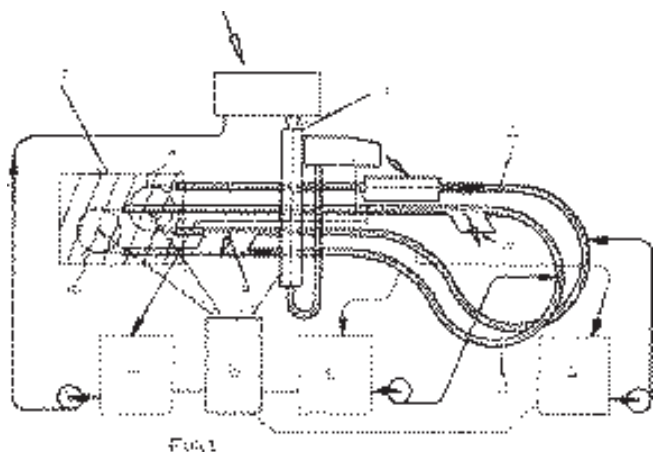
(31) 06 06126795 (32) 21 Dec 2006 (33) EP

(74) HENRY HUGHES, 119-125 Willis Street, Wellington, New Zealand

(57) A lift with at least two cages 7a, 7b disposed one above the other and vertically movable independently of each other within a single shaft and with each cage having an own drive A1, A2 including at least one motor M1, M2 and at least one drive pulley 1a, 1b, an own counterweight 12a, 12b, and at least one cable Z1, Z2, has the drives fixed respectively to opposite shaft walls so as to be able to be passed by the cages moving in the shaft. Moreover the drive motors M1, M2 are arranged vertically above the associated drive pulleys 1a, 1b.







(21) 564095 (22) 10 May 2006

(54) Methods of mapping polymorphisms and polymorphism microarrays

(86) PCT/US2006/018150 (87) WO2006/122215

(51) IPC7:C12Q1/68

(71) State of Oregon acting by and through the State Board of Higher Education on behalf of the University of Oregon

(72) Johnson, Eric; Liu, Guowen; Miller, Michael;

(31) 05 679693 (32) 10 May 2005 (33) US

(31) 06 782424 (32) 14 Mar 2006 (33) US

(74) Pizzey's Patent and Trade Mark Attorneys, Level 14, ANZ Centre, 324 Queen Street, Brisbane, Queensland 4000, Australia

(57) Described herein are methods for the high-throughput discovery and genotyping of nucleotide polymorphisms in DNA, including single nucleotide polymorphism (SNPs) and short deletions and insertions. These methods take advantage of the fact that differences in DNA sequence result in the differential presence of restriction endonuclease digestion sites. Differences can be detected between individuals, or the relative presence detected in a population. Provided approaches involve isolation of short DNA fragments ("tags") near restriction endonuclease sites. The presence of one (or two) of these tags indicates that a site was present. Distinguishable labelling of tags from two individual or populations allows comparative presence of these sites to be assayed on a platform that employs a collection of nucleic acids. Other approaches depend on the differential presence of restriction endonuclease sites, but involve mixing genomic DNA from the two individuals. Regions of DNA with a restriction site in only one individual create an opportunity for primer extension to produce labelled material, which can be assayed on a platform that employs a collection of nucleic acids. Any of a variety of detection platforms can be used with the described approaches. By way of example, highly efficient variant detection microarrays and bead libraries are provided that contain genomic tags with different representations between two populations, so that most elements in the collection of nucleic acids contain an informative SNP between the populations of interest.

(21) 564322 (22) 11 Jul 2005

(54) Method for determining traffic information, and a device arranged to perform the method

(86) PCT/NL2005/000496 (87) WO2007/008055

(51) IPC7:G08G1/04, 0967

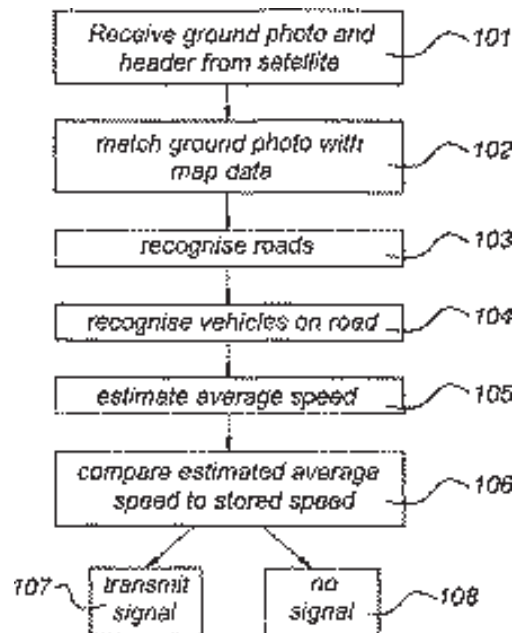
(71) TomTom International B.V.

(72) Tkachenko, Serhiy; Blazey, John;

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) A method for determining average vehicle speed is provided. The method comprises the steps of receiving one photograph of a portion of the earth's surface including a road segment using an input/output device, recognizing and identifying the road segment using pattern recognition techniques having as their input map data stored in memory, where

the average speed of vehicles on the road segment in the received photograph is determined by processing the photograph to identify a length of blur in the photograph indicative of the speed of individual vehicles, and then averaging individual vehicle speed values. A device to run the method and a computer program is also provided.



(21) 564571 (22) 22 Aug 2002

(54) Integrated process for making inflatable article

(51) IPC7:B29D22/00; B29C65/18; B29C69/00; B29D22/02

(71) SEALED AIR CORPORATION (US)

(72) Kannankeril, Charles; O'Dowd, Bob; Metta, Mike;

(31) 01 934732 (32) 22 Aug 2001 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Disclosed is an integrated process for making an inflatable laminated article, comprising the steps of:

(A) extruding a first flat film and a second flat film;

(B) cooling the first flat film and the second flat film so that the first and second flat films will not fuse to one another upon contact with each other;

(C) heating selected portions of the first flat film to a temperature above a fusion temperature, by passing the first flat film in a partial wrap around a heated roller having a raised surface;

(D) contacting the first flat film with the second flat film after the first flat film passes a point of initial contact with the heated roller, with the first flat film being between the heated roller and the second flat film, so that the first flat film and the second flat film are heat sealed to one another at a selected area to make the inflatable laminated article, with the selected area providing a heat seal pattern which provides inflatable chambers between the first flat film and the second flat film; and

(E) winding up or transporting the first and second flat films after they are heat sealed to one another, with the inflatable chambers uninflated.

(62) Divided out of 530535

(21) 564572 (22) 22 Aug 2002

(54) Integrated process for making inflatable article

(51) IPC7:B29C65/18; B29C69/00; B29L22/02; B29L31/60; B29D22/02; B29D9/00

(71) SEALED AIR CORPORATION (US)

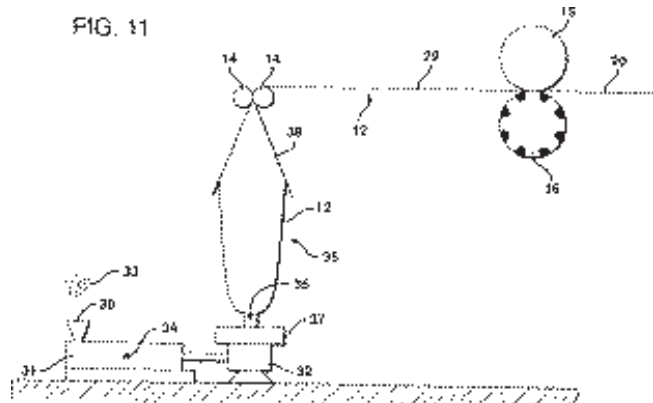
(72) Kannankeril, Charles; O'Dowd, Bob; Metta, Mike;

(31) 01 934732 (32) 22 Aug 2001 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) An integrated process for making an inflatable article includes extruding a tubular film 35, cooling the film so that the inside surface of the tube does not stick to itself, laying the film into a flat configuration 29 and heat sealing portions of the film to itself to make a sealed tubular film without thermoforming of the film. The heat sealing is performed by passing the tubular layed flat film in a partial wrap around a heated roller 16 having a raised surface, the heat sealing being carried out to provide a pattern of sealed and unsealed areas with the unsealed areas providing inflatable chambers between the inside surfaces of the sealed tubular film.

(62) Divided out of 530535



(21) 564753 (22) 3 Jul 2006

(54) Foodstuff

(86) PCT/IB2006/002241 (87) WO2007/007190

(51) IPC7: A23L1/187,00; A23C9/13; A23P1/08

(71) Danisco A/S

(72) Nielsen, Jens Mogens;

(31) 0514223 (32) 11 Jul 2005 (33) GB

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) Disclosed is a foodstuff comprising: (a) a first food material layer; (b) a colour migration barrier layer; (c) a second food material layer, wherein the colour migration barrier layer is disposed between the first food material layer and the second food material layer and is an edible liquid oil composition comprising: (i) an oil component; and (ii) a fat, emulsifier, wax or mixture thereof, having a melting point of greater than 55°C; wherein the oil component (i) has a solid fat content (N-value) at 20°C of less than 20.

(21) 564900 (22) 7 Jan 2008

(54) Cable grommet with integrated electrical port components

(51) IPC7: H01R13/502,73,74; H02G3/22

(71) Belkin International, Inc.

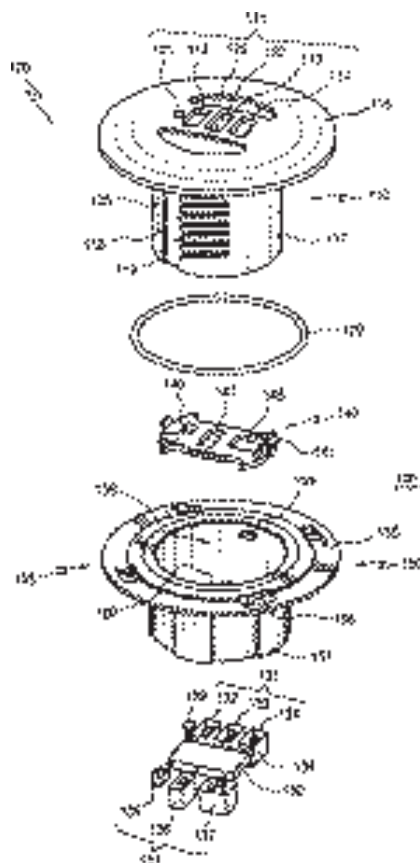
(72) Chong, Joseph; Iida, Yoko; Mori, Kenneth;

(31) 07 878874 (32) 5 Jan 2007 (33) US

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) An electrical grommet device is disclosed. In one exemplary embodiment, an electrical device (100) comprises a casing (105) having a grommet (110), one or more first apertures (111) and an insertion portion (117). A connection mechanism (150) is provided that is capable of being coupled to the grommet (110). The electrical device (100) further comprises one or more electrical components (130) located at least partially within the casing, and one or more electrical connectors (131) located at least partially within the casing (105) and coupled to the one or more electrical components (130). The electrical connectors (131) are accessible through one or more first apertures (111). The insertion portion (117) of the grom-

met (110) can be removably placed in a grommet hole from a first side of the grommet hole, and the grommet (110) can be removably coupled to the connection mechanism (150) from a second side of the grommet hole, opposite the first side.



(21) 564901 (22) 7 Jan 2008

(54) Mixing system for a portable media device

(51) IPC7: H04S7/00; G06F19/00; G11B20/04; G11C7/10; H04H60/04

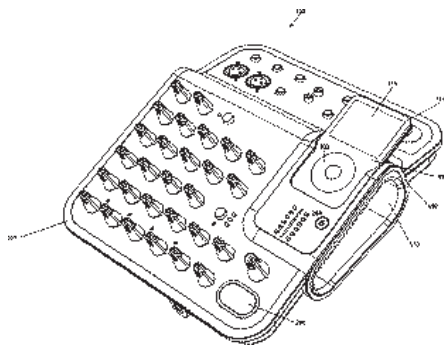
(71) Belkin International, Inc.

(72) SEIL, Oliver Duncan; JACKSON, Scott; LANE, Steve; QUINTEROS, Ernesto; NEU, Thorben; REAY, Robert W;

(31) 07 650373 (32) 5 Jan 2007 (33) US

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) A mixer capable of receiving an input signal from a media system and producing an output signal for a signal output device and a portable media device is provided, which includes an input jack, an interface, an output jack and a device operating system. The input jack is configured to receive and be electrically coupled to a component of the media system, where the component is capable of producing the input signal. The interface is configured to electrically couple to the portable media device and to allow the portable media device to record the output signal. The output jack is configured to receive and be electrically coupled to the signal output device, where the signal output device is capable of receiving the output signal. The device operating system is configured to receive one or more instructions for controlling at least one function of the mixer, where the instructions are entered at the portable media device by a user and routed via the interface to the device operating system when the portable media device is electrically coupled to the interface.



(21) 565224 (22) 22 Jan 2008

(54) Cleaning implement head and cleaning implement with bowable member, typically mop

(51) IPC7:A47L13/146,258; B25G3/02,08,12

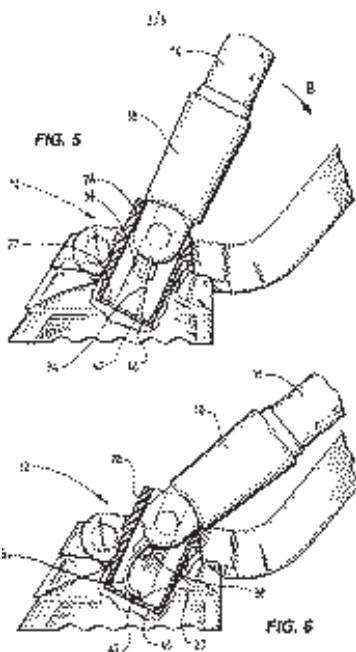
(71) E.D. Oates Pty Ltd

(72) Howley, Andrew; Lawson, Jon; Charlwood, Paul;

(31) 07 900286 (32) 19 Jan 2007 (33) AU

(74) Allens Arthur Robinson Patent & Trade Marks Attorneys, 530 Collins Street, Melbourne, Victoria 3000, Australia

(57) The disclosure relates to a cleaning implement head having a handle-receiving assembly, the assembly comprising: a housing having a recess or aperture (40) therein; and a connecting sleeve (18) receivable within the housing, the sleeve having a first end for receiving a handle (16) therein, and a second end having a bowable member (34) extending therefrom, wherein the angle at which the sleeve extends from the housing is adjustable between first position, when the bowable member is unbowed and a portion thereof is located in the recess or aperture (40), and a second position when the bowable member is bowed and the end thereof rests against a part of the housing outside of the aperture.



(21) 565541 (22) 9 Jul 2004

(54) Wireless relay for payment enforcement devices and method of using same

(51) IPC7:H04Q9/00; B60R25/00,10; H04K3/00

(71) PAYMENT PROTECTION SYSTEMS, INC.

(72) Simon, Michael P.; Simon, Franklin C.;

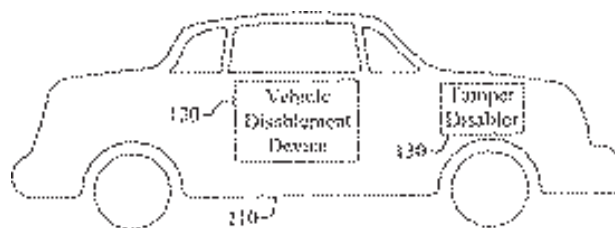
(31) 03 485391 (32) 9 Jul 2003 (33) US

(31) 04 887024 (32) 8 Jul 2004 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A system for disabling a vehicle, which has a critical system, is disclosed. The system comprises a vehicle disablement device that includes a wireless transmitter, where the vehicle disablement device is configured to disable the critical system of the vehicle if a payment is not made on the vehicle prior to a payment due date. A disablement of the critical system prevents operation of the vehicle by transmitting a wireless disablement signal to a relay in a power control panel, and the relay disables power to the critical system in response to the wireless disablement signal.

(62) Divided out of 544589



(21) 565587 (22) 16 Jan 2004

(54) Selectively activatable food storage wrap sheet

(51) IPC7:B32B27/00; B65D33/00; C09J7/02; B65D65/40

(71) THE PROCTER & GAMBLE COMPANY

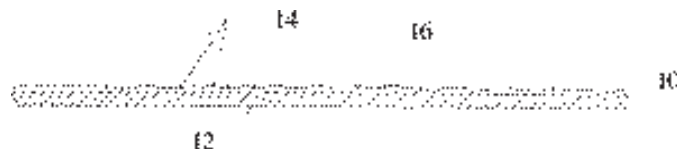
(72) Pallotta, Shawn Christopher; Kinsey, Von Adoniram; O'Brien, Michael John; Salsman, Donald Arthur; McNeil, Kevin Benson;

(31) 03 345540 (32) 16 Jan 2003 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A food storage wrap comprising a selectively activatable sheet material (10) is disclosed. The selectively activatable sheet material includes at least one lamina (12) and at least one deactivator (14) material joined in face-to-face relationship. At least one active material (16) is disposed between the lamina and the deactivator material. The selectively activatable sheet material is disposed beyond at least one of the lamina and the deactivator and is releasably adherable to a target surface in response to the application of an external force. The selectively activatable sheet material has a polypropylene surface peel force value ranging from about 22 g/inch to about 86 g/inch, an active-to-active peel force ranging from about 43 g/inch to about 117 g/inch, and a leak test value of at least about 60 seconds.

(62) Divided out of 540893



(21) 565823 (22) 11 Feb 2008

(54) Security screw

(51) IPC7:F16B23/00

(71) ITW Australia Pty Ltd

(72) Tovenati, Francis Bernard;

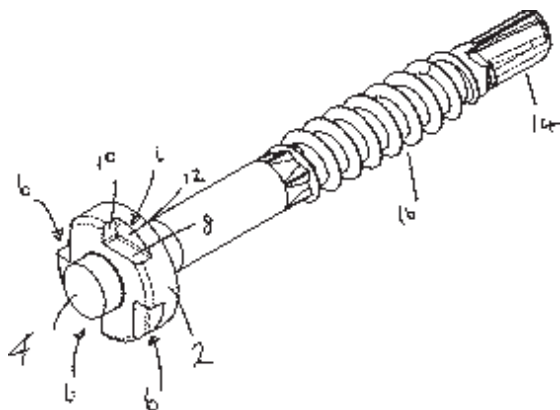
(31) 07 100117 (32) 14 Feb 2007 (33) AU

(74) DAVIES COLLISON CAVE - MELBOURNE, 1 Nicholson Street, Melbourne, Victoria, Australia

(57) A screw with a head formation that requires a special driving tool, with particular application to preventing unauthorised removal of building panels, is disclosed. The head of the screw has a cylindrical body 2, an axially projecting post 4, and driving segments 6 formed within the outer



end face of the main body. Each driving segment is open to the peripheral surface of the main body, and has a base surface 12 transverse to the axis of the screw and first driving surface 8 transverse to the base surface. A correspondingly shaped driver allows installation of the screw by driving the driving segments. A second driving surface 10 transverse to the first may be included to allow removal of the screw with the driver, while omission of second driving surfaces prevents removal of the screw.



(21) 565844 (22) 11 Feb 2008

(54) Stormwater collection and underground storage and treatment using aerobic bacteria and settlement of particulates in a near horizontal stream

(51) IPC7:C02F3/02,04,06,30; E03F1/00; E03B3/00,02

(71) Stormsaver Systems Pty Ltd

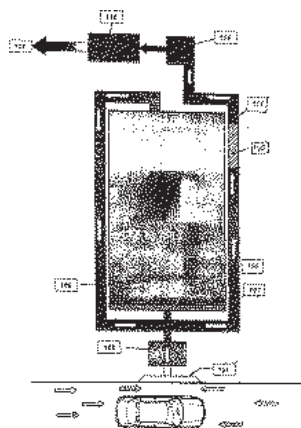
(72) Shirley, Andrew; Larach, Oscar;

(31) 2007900665 (32) 12 Feb 2007 (33) AU

(74) WATERMARK PATENT & TRADE MARK ATTORNEYS, Level 2, 302 Burwood Road, Hawthorn, Victoria 3122, Australia

(57) A water treatment apparatus (107) for treating stormwater is disclosed.

The apparatus includes a substantially water impermeable treatment tank (111) installed underground and a means for treating the stormwater. The treatment tank has one or more walls forming a tubular elongate enclosure to allow a near horizontal stream of stormwater to flow through it. The treatment means primarily consists of a combination of settlement of particulates as a result of the water flow through the tank and decomposition of waste as a result of aerobic bacteria in the tank. A holding tank (105) may also be included before the treatment tank. In this case the treatment tank may (111) may encircle the holding tank. The tanks may be made up from modular pieces. There may also be a flow control means (110) to adjust the flow rate of the system (107) as well as further filtering (115) and an anaerobic bacteria treatment. A storage tank (116) can be used to hold the treated water.



(21) 566198 (22) 25 Feb 2008

(54) Heat exchanger

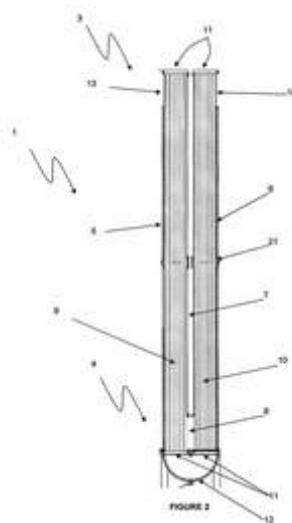
(51) IPC7:F28D7/16; F28F9/22,26

(71) AgResearch Limited

(72) Marsh, Clive; Taylor, Murray; Mesman, Paul;

(74) JAMES & WELLS, Level 11, PricewaterhouseCoopers Centre, 119 Armagh Street, Christchurch, New Zealand

(57) Disclosed is a shell and tube heat exchanger with a shell 2 having first and second ends 3,4, and a first and second shell chamber 5, 6, partitioned using a longitudinal baffle 7 sealing from the first distal end to prior to the second end. At least one opening 8 between the first and second shell chamber is located prior to the second end. A first and second bank of tubes 9,10, are located within the first and second shell chambers. Tube header plates 11 disposed transversely to the shell at either end are used to retain the tube banks and are divided into two halves by the longitudinal



(21) 566201 (22) 22 Feb 2008

(54) Buckling prevention guide for collapsible bellows tube

(51) IPC7:F16L27/11,111; F16L51/02; F16L27/10; F16L11/115,118; F16L57/02; F16L7/00

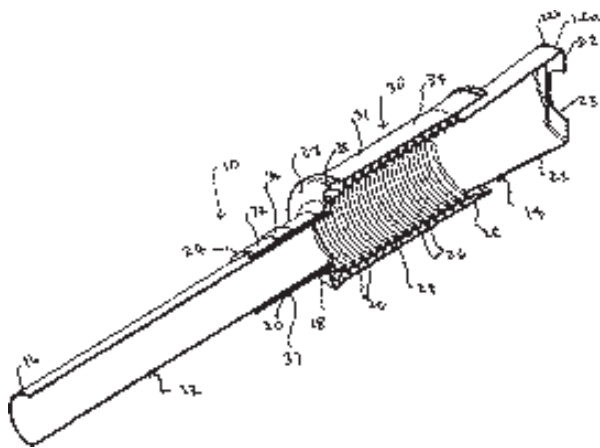
(71) Schutz DSL (Australia) Pty Ltd

(72) Khoury, Edward Joseph;

(31) 07 906231 (32) 13 Nov 2007 (33) AU

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) A dip tube guide is disclosed. The dip tube guide is formed with a longitudinally collapsible portion intermediate of the dip tube length, enabling the length of the dip tube to be varied. The guide comprises a hollow elongate body configured to be concentrically receivable over the collapsible portion, where a first end of the guide is engagable with the dip tube proximate to the collapsible portion. The guide has a length that substantially corresponds to the length of the collapsible portion in its extended condition. The guide has sufficient rigidity to prevent the collapsible portion from buckling. When the dip tube is in use a first end of the dip tube is supported from an opening in the top of a container and a second end abuts the bottom of the container.



(21) 566266 (22) 28 Feb 2008

(54) Tent structure using trekking poles as support members

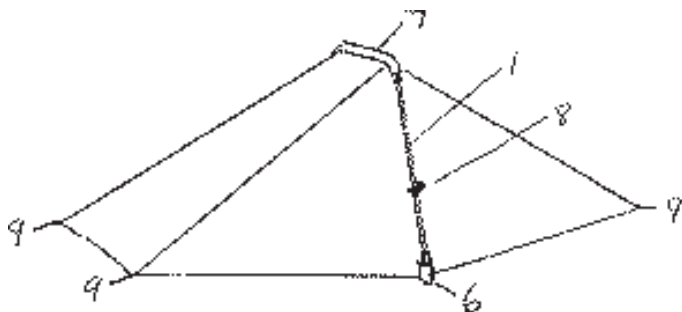
(51) IPC7:E04H15/60,34,00; A45B3/00; A45F4/00

(71) AARN TATE

(72) Tate, Aarn;

(74) AARN TATE, 20 Fleming Street, North Beach, Christchurch 8083, New Zealand

(57) An erectable tent using trekking poles as primary support is disclosed. The tent (5) has a fly that includes at least one sleeve (7) near the apex of the tent, and for each sleeve there are two corresponding sockets (6) located at ground level. A support assembly includes a connector pole with ends oriented at an angle to each other, and a pair of trekking poles (1), where the tips of the poles are inserted in the ends of the connector pole. The connector pole is received in the sleeve and the handles of the trekking poles are received in the sockets.



(21) 566581 (22) 26 Sep 2003

(54) Wristband/cinch with inboard label assembly business form and method

(51) IPC7:B42D15/00; G09F3/00

(71) Laser Band LLC

(72) Riley, James M;

(31) 02 256758 (32) 27 Sep 2002 (33) US

(31) 02 283777 (32) 30 Oct 2002 (33) US

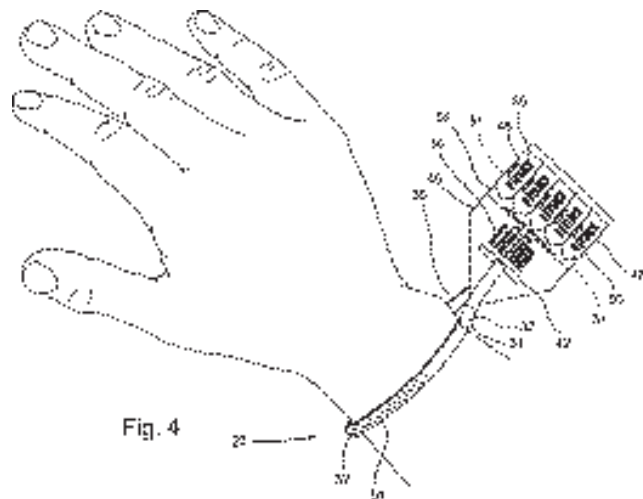
(31) 03 627135 (32) 25 Jul 2003 (33) US

(74) BALDWIN'S INTELLECTUAL PROPERTY, Level 14, Baldwin's Centre, 342 Lambton Quay, Wellington 6011, New Zealand

(57) A business form comprises a self-laminating wristband. The wristband has a printable face ply portion, a single lamination layer portion for substantially surrounding the printable face ply portion, a strap portion formed in the single lamination layer portion and extending from a single

side of the face ply portion for wrapping about a person's appendage, and an attachment portion for joining the strap portion to the printable face ply portion to thereby attach the wristband to the person's appendage. The strap portion, the single lamination portion, and the attachment portion are formed in a same lamination ply. The attachment portion includes at least one slot located on the side of the face ply portion opposite the strap portion. Either an adhesive is applied to an end of the strap portion for attaching the wristband or the at least one slot is at least partially surrounded by adhesive so that the slot may be folded over the strap portion as the strap portion is inserted therethrough to adhere the strap portion in place to thereby attach the wristband to the person's appendage.

(62) Divided out of 539538



(21) 567455 (22) 20 Dec 2002

(54) Systems, methods, and software for hyperlinking names

(51) IPC7:G06F17/30,27

(71) Thomson Reuters Global Resources

(72) Dozier, Christopher C;

(31) 01 342956 (32) 21 Dec 2001 (33) US

(31) 02 171170 (32) 13 Jun 2002 (33) US

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A computer-implemented method comprises receiving a search query including a name of an entity; determining a measure of how rare the name is in a population; and obtaining additional information to assist in answering the query, in response to the determined measure.

Obtaining additional information to assist in answering the query in response to the determined measure comprises comparing the measure to a threshold; and requesting additional information if the measure is less than the threshold. The search query is updated based on the additional information.

(62) Divided out of 552575

(21) 567591 (22) 17 Apr 2008 (23) 21 Apr 2009

(54) Lay flat bin corner hinge blanks formed to wrap around adjacent panels

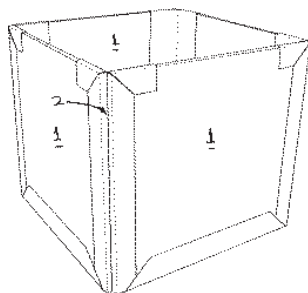
(51) IPC7:B65D5/36

(71) CARTER HOLT HARVEY LIMITED

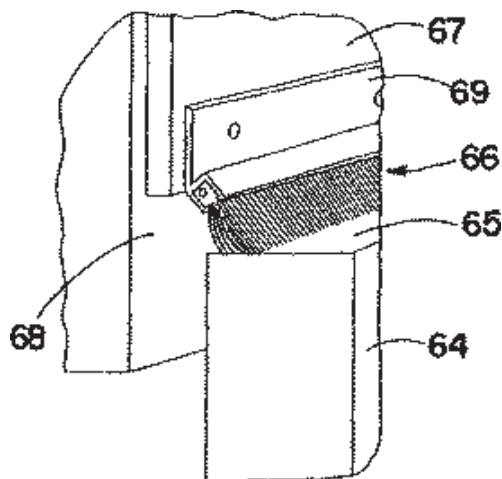
(72) Schnert, Perry Anthony; Bonner, Craig Ronald;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) Lay flat bin corner hinges are formed from blanks that inter-connect adjacent vertical panels and both affix internally and wrap around outer faces of the panels.



- (21) 568331 (22) 15 May 2008  
 (54) Environmental brush seal  
 (51) IPC7:E06B7/16,18; A46B9/00; A46B15/00; A46B7/00  
 (71) JASON INCORPORATED  
 (72) Mattice, Douglas A;  
 (31) 07 820118 (32) 18 Jun 2007 (33) US  
 (74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
 (57) A brush seal with particular application for protecting environments where pressure differentials may exist, such as elevator shafts or clean rooms, is disclosed. The seal comprises a strip brush with filaments that are polygonal in transverse section. The filaments have relatively sharp corners that create vortices or eddies as air flows past.



- (21) 568459 (22) 5 May 2004  
 (54) Use of effectors of glutamyl and glutamate cyclases  
 (51) IPC7:C07F9/59,6506; C07D233/54; C07F9/572,6561; A61K31/00,4178,4184,4188,4192  
 (71) Probiobdrug AG  
 (72) Demuth, Hans-Ulrich; Hoffmann, Torsten; Niestroj, Andre J; Schilling, Stephan; Heiser, Ulrich;  
 (31) 03 468014 (32) 5 May 2003 (33) US  
 (31) 03 468043 (32) 5 May 2003 (33) US  
 (31) 03 512038 (32) 15 Oct 2003 (33) US  
 (74) WATERMARK PATENT & TRADE MARK ATTORNEYS, Level 2, 302 Burwood Road, Hawthorn, Victoria 3122, Australia  
 (57) Disclosed is the use of an inhibitor of QC selected from the group consisting of imidazole derivatives and histamine derivatives, including all pharmaceutically acceptable salts and enantiomers thereof, in combination with an inhibitor of DP IV or DP IV-like enzymes wherein the DP IV-like enzyme is selected from the group consisting of fibroblast activation protein alpha, dipeptidyl peptidase IV beta, dipeptidyl aminopeptidase-like protein, N-acetylated alpha-linked acidic dipeptidase, quies-

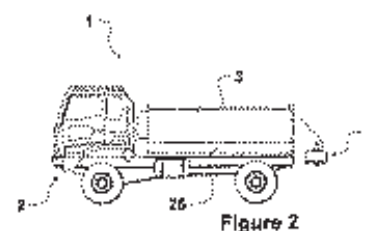
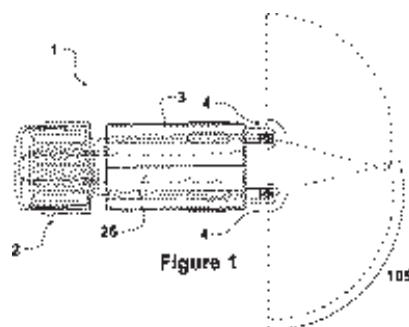
cent cell proline dipeptidase, dipeptidyl peptidase II (DP II), attractin, DP 6, DPP 8, DPP 9, DPL2 and DPP 10, and/or an aminopeptidase-inhibitor in the manufacture of a medicament for inhibiting

- a) the formation of a QC substrate selected from the group consisting of Abeta3-40/42, [Gln3]Abeta3-40/42, [Glu11]Abeta11-40/42, [Gln11]Abeta11-40/42 and [Gln1]CCL 2 and, subsequently,  
 b) the conversion of N-terminal glutamic acid or glutamine residues to pyroglutamic acid residues in said QC-substrate;  
 for the prevention or treatment of a disease selected from Alzheimer's disease and Down's syndrome.

Divisional filed as 572274

- (21) 568608 (22) 2 May 2007 (23) 5 Dec 2007  
 (54) Apparatus and method for spreading particulate material  
 (51) IPC7:E01H10/00; A01C15/08,06,04,00; A01C17/00  
 (71) Quinspread Technologies Limited  
 (72) Usmar, Edward Raymond; Lynch, Samuel Thomas; Quin, Bertram Francis Charles;  
 (74) PIPERS, Level 1, 5A Pacific Rise, Mt Wellington, Auckland, New Zealand  
 (57) A particulate material spreading apparatus is disclosed which includes a mixing chamber having a particulate material inlet and a liquid inlet. The apparatus also includes agitation means adapted to mix any substantially dry particulate material that enters the chamber with any liquid that is introduced into the chamber. And the apparatus further includes delivery means adapted to expel any combined particulate material and liquid from the chamber in such a manner that the combined particulate material and liquid can be spread evenly over a surface in the vicinity of the apparatus. The apparatus can further include grinding or crushing means adapted to reduce the particle size of the particulate material. The apparatus is adapted for operation while being transported by a vehicle.

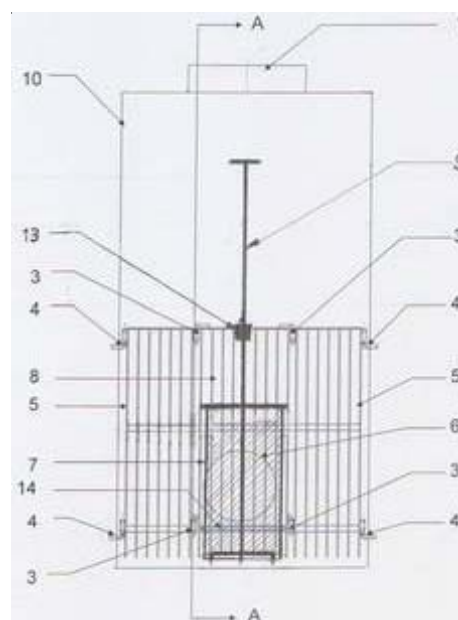
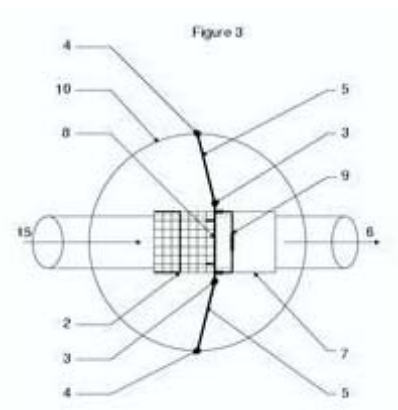
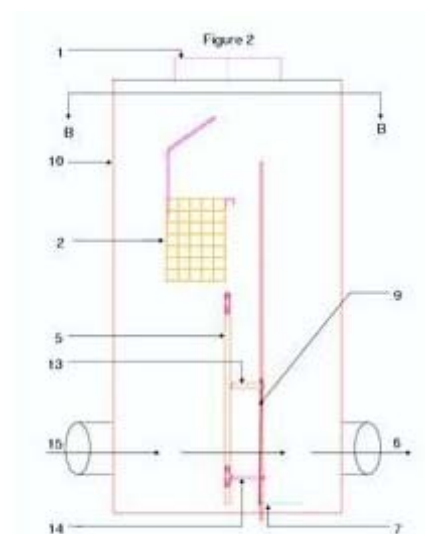
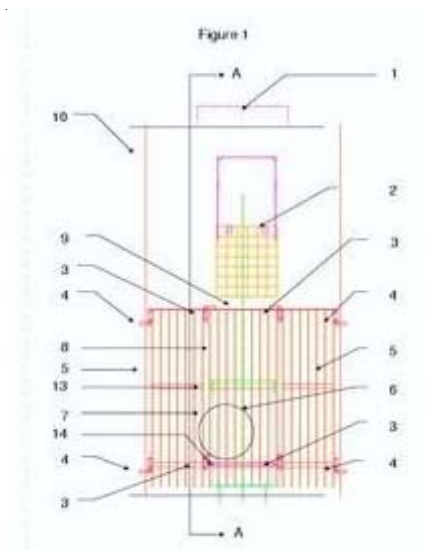
(62) Divided out of 554915



- (21) 568879 (22) 6 Jun 2008 (23) 4 Nov 2008  
 (54) Sectional manhole pollution trap  
 (51) IPC7:E03F1/00; E03F5/14; C02F9/02; B01D35/02  
 (71) Jurgen Komp  
 (72) Komp, Jurgen;  
 (74) Jurgen Komp, 29 Score Road, Gisborne, New Zealand  
 (57) Disclosed is a device adapted to trap pollutants inside a storm-water manhole.

The device comprises a multi-section removable grille and removable absorption material co-operating with the grille to trap and absorb pollutants from storm-water passing through the manhole.

Also disclosed is a method of removing suspended solids and hydrocarbons from storm-water.



(21) 569548 (22) 2 Jul 2008

(54) Gripper with intermediate plate between independently movable outer gripping plates

(51) IPC7:B65B27/08; B65B35/16,36; B25J15/10

(71) Visy R & D Pty Ltd

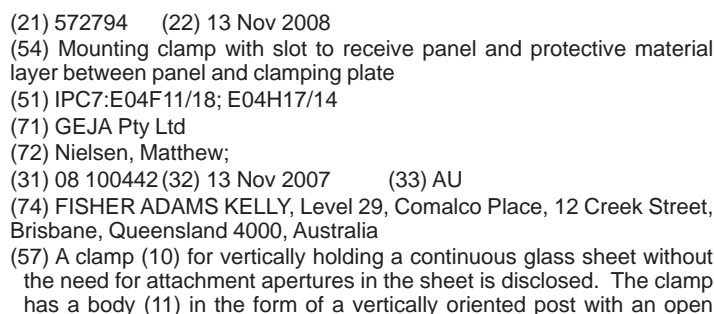
(72) Bryant, Craig Norman; Scholtes, William John; Berger, Jacobus Albertus; Somogyi, Peter James;

(31) 07 205734 (32) 10 Aug 2007 (33) AU

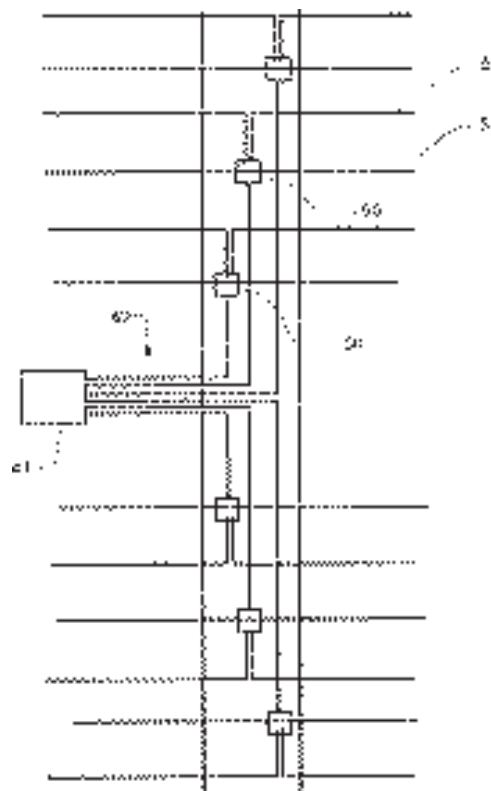
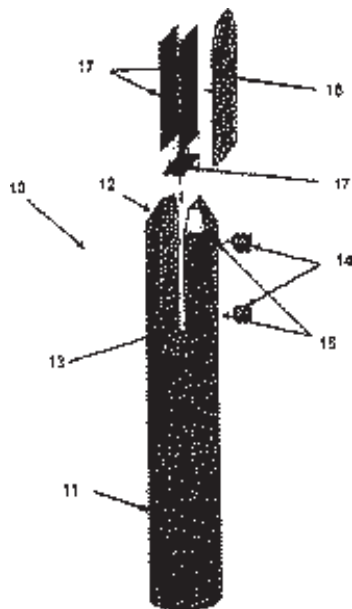
(74) DAVIES COLLISON CAVE - MELBOURNE, 1 Nicholson Street, Melbourne, Victoria, Australia

(57) A gripper (1) is disclosed for positioning articles on a conveyor or pallet that allows gripping of multiple articles or assembled groups of articles for subsequent release at different positions. The gripper has a support (6) for attachment to a robotic arm, independently movable outer gripper plates (2, 3), an intermediate gripper plate (4), and drive means for moving the gripper plates with respect to each other to grip and release articles. The use of the intermediate plate increases the capacity of the gripper.





ended slot (13) for non-adjustably retaining the bottom edge of the glass panel. The slot includes a protective layer of deformable material (17), and a rigid force distribution plate (15) located between a wall of the slot and the protective layer. Securing means (14, 15), such as grub screws, contact the force distribution plate to retain the glass panel within the protective layer.



(21) 573232 (22) 19 Sep 2008

(54) AN EFFLUENT DISPOSAL SYSTEM WHERE EFFLUENT IS DIRECTED TO ONE OF A NUMBER OF FLOW DIRECTORS WHICH REDIRECT THE EFFLUENT TO ARRAYS OF DISPENSING PODS SO THAT THE DISPOSAL RATE OF EFFLUENT IS BELOW 10MM PER WEEK

(51) IPC7:B65D88/00; A01K1/01; C02F1/00; C05F3/00

(71) LINDSAY RONALD LEWIS

(72) Lewis, Lindsay Ronald;

(74) A J PARK, 6th Floor, Huddart Parker Building, 1 Post Office Square, Wellington 6011, New Zealand

(57) A dairy effluent disposal system is disclosed. The dairy effluent disposal system comprises a reticulation system to reticulate dairy effluent to multiple arrays of dispensing pods. The reticulation system includes a primary flow director, which receives effluent that is substantially free of large solids, from a collection of effluent, and to selectively discharge the effluent downstream to at least one of two secondary flow directives. Each secondary flow director receives effluent from the primary flow director, when directed to that secondary flow director, and itself directs effluent from array to array of dispensing pods. Over time the reticulation to the multiple arrays of dispensing pods can be such that without movements of the dispensing pods, and by flow director control over time, a disposal rate of below 10mm per week can be achieved, with a maximum of less than 1 mm per application.

Divisional filed as 575038

(21) 574229 (22) 11 Jun 2007

(54) Treatment method and composition for microbial infection

(51) IPC7:A61K38/01,14,17,40,44

(71) DEC International NZ Limited

(72) Bragger, Judith Mary;

(74) JAMES & WELLS, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, New Zealand

(57) Disclosed is a treatment formulation for the treatment or prevention of microbial infection which includes a treatment composition extracted from whole milk, processed milk or a milk-derived substance, wherein the composition contains a cationic fraction which includes any, but not all, components of the whole milk, or processed milk or milk derived substance with an isoelectric point of or greater than substantially 6.8, wherein the treatment composition includes chitinase-like protein (CLP-1).

(62) Divided out of 547859

(21) 574322 (22) 30 Sep 2007

(54) Shower apparatus where the water is supplied to the mixer through the support pipe connected to the ceiling and wall

(51) IPC7:A47K3/00; E03C1/06; E04F11/18; A47K3/28

(71) Kiwi Showers Limited

(72) Godfrey, Barry John; Hamilton, Duncan Ross;

(74) JAMES & WELLS, Level 11, PricewaterhouseCoopers Centre, 119 Armagh Street, Christchurch, New Zealand

(57) A method of constructing an accessible shower in a room having a wall and a ceiling (11) is disclosed. The method includes:

A) providing a substantially rigid pipe (20) having a control valve and a shower rose connected to it, the pipe enclosing the water supply for supplying water to the valve and between the valve and the shower rose. The pipe consists of an slider portion to which the shower rose is con-

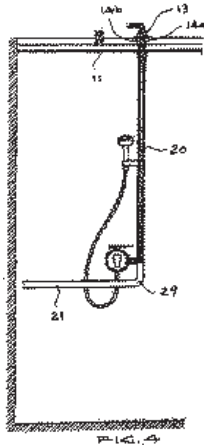
nected and a grab rail (21). The grab rail (21) has a mounting bracket fixed at or adjacent its end;

B) fixing an upper end of the slider portion to the ceiling, and

C) fixing the mounting bracket to the wall.

Water is directed to the shower pipe through the ceiling (11).

(62) Divided out of 545667



(21) 574919 (22) 16 Feb 2009

(54) A toilet pan installation bracket fixed to a wall with two pipe clamps for the outlet end of the flushing water pipe and the inlet end of the waste pipe

(51) IPC7:E03D11/00,13,14

(71) Caroma Industries Limited

(72) Cummings, Stephen John; Ho, Vincent Kai Hong;

(31) 08 901452 (32) 26 Mar 2008 (33) AU

(74) SPRUSON & FERGUSON, GPO Box 3898, Sydney, NSW, 2001, Australia

(57) A toilet pan installation bracket assembly 10, the assembly 10 including: a first bracket portion 12 adapted for fixing to a wall W; a second bracket portion 14; a flexible flushing water conduit 36 having an outlet end 36' supported by the second portion 14; a third bracket portion 16; and a flexible waste conduit 38 having an inlet end supported by the third portion 38, wherein the second 14 and third portions 16 are fixed relative to the first portion 12.

