

Estefania Paez

Search history

Search 1: TAC=(glutamic and acid and acetic and steel) and PD=19400101:20120201 (Results 38)

Title: Improvements in or relating to the preparation of dehydrated castor-oil

Abstract: Source: GB646049A Dehydrated castor oil is manufactured by heating castor oil whilst adding thereto strong sulphuric acid in solution in a diluent, the sulphuric acid solution being added in increments continuously or discontinuously during the dehydration process. An antioxidant is preferably present in the reaction mixture and is advantageously added with the sulphuric acid solution. The dehydration is preferably effected at a temperature of from 210 DEG to 550 DEG F. The diluents specified comprise methyl alcohol, ethyl alcohol, butyl alcohol, acetic acid, acetone and castor oil itself, or the diluent may not be a common solvent for both the sulphuric acid and the castor oil, such as water. The antioxidants specified comprise orthophosphoric acid, b -naphthol, phenol, citric acid, maleic anhydride, hydroquinone, glutamic acid, chlorophyll and glycerine, alone or in mixtures. The dehydration is preferably effected in a vessel having glass or stainless steel walls and an inert gas, such as carbon dioxide, is preferably blown through the castor oil during the reaction. Atmospheric, sub-atmospheric, or super-atmospheric pressures may be used. ALSO: Dehydrated castor oil is manufactured by heating castor oil whilst adding thereto strong sulphuric acid in solution in a diluent, the sulphuric acid solution being added in increments continuously or discontinuously during the dehydration process. An antioxidant is preferably present in the reaction mixture and is advantageously added with the sulphuric acid solution. The dehydration is preferably effected at a temperature of from 210 DEG to 550 DEG F. The dehydrated castor oil may be subsequently bodied by continuing the heating of the oil at a higher temperature. The diluent may be a common solvent for the castor oil and sulphuric acid and such diluents specified comprise methyl alcohol, ethyl alcohol, butyl alcohol, acetic acid, acetone and castor oil itself, or the diluent may not be a common solvent for both the sulphuric acid and the castor oil, such as water. The antioxidants specified comprise orthophosphoric acid, b -naphthol, phenol, citric acid, maleic anhydride, hydroquinone, glutamic acid, chlorophyll and glycerine, alone or in mixtures. The dehydration is preferably effected in a vessel having glass or stainless steel walls and an inert gas, such as carbon dioxide, is preferably blown through the castor oil during the reaction. Atmospheric, sub-atmospheric, or super-atmospheric pressures may be used. The proportions of the various ingredients and the preferred ratios one to another are fully given. The process results in a dehydrated castor oil having a pale initial colour, and which does not darken during the bodied process to a colour darker than 4 on the Hellige-Klett scale.

Classifications:

International (IPC 8-9): C09F5/06 (Advanced/Invention);

C09F5/00 (Core/Invention)

International (IPC 1-7): C09F5/00

CPC: C09F5/06

European: C09F5/06

Family:

Publication number	Publication date	Application number	Application date
GB646049 A	19501115	GB19480001137	19480114

Probable Assignee: LEWIS BERGER AND SONS LTD

Assignee(s): (std): LEWIS BERGER AND SONS LTD

Assignee(s): LEWIS BERGER AND SONS LIMITED

Title: CATALYST AND METHOD OF CATALYST PREPARATION

Abstract: Source: GB796175A Metal chelates in which the chelating agent is an amino **acid** are formed by reacting in an aqueous medium an amino **acid** and a compound of the metal, e.g. the hydroxide, carbonate metal-halogen **acid** or sulphate. The following amino **acids** are specified: ethylene diamine tetra-**acetic acid**, N-2-hydroxyethyl ethylene diamine triacetic **acid**, aspartic **acid**, **glutamic acid**, tryptophan, valine, phenylalanine, alpha-alanine, beta-alanine, and asparagine. When a polycarboxylic amino **acid** is used, the chelate may have hydrogen atoms which are replaceable by a metal different from that already present. Metals referred to are platinum, nickel, cobalt, iron, molybdenum, chromium, zinc, calcium, magnesium and barium. Ammonium hydroxide may be added to the aqueous medium in which the reaction takes place, the ammonium radical being present in the chelate compound formed. Preparations of various metal chelates are described in examples, including the preparation of a platinum chelate containing chlorine atoms, and a process for removing the chlorine atoms. The metal chelates are used as solutions or dispersions for impregnation of porous supports in the preparation of catalyst (see Group III). ALSO: A catalyst is prepared by wetting a porous support, having a surface area of at least 25 square metres per gram, with a solution or dispersion of a chelate formed from a metal and an amino **acid**, and drying and calcining the wetted support to decompose the amino **acid**. Metal chelates may be formed from the following amino **acids**: ethylenediamine tetra-**acetic acid** (EDTA), N-2-hydroxyethyl ethylenediamine triacetic **acid**, aspartic **acid**, **glutamic acid**, tryptophan, valine, phenylalanine, alpha-alanine, beta-alanine, and asparagine. When a polycarboxylic amino **acid** is used, the chelate may have replaceable hydrogen atoms; these hydrogen atoms may be replaced by a metal which may be different from that in the cation, the resulting salts being used to impregnate the support with two metals simultaneously, e.g. molybdenum and cobalt, cobalt and chromium, zinc and chromium, nickel and chromium. The support may be dried before impregnation or may be in the form of a wet or freshly precipitated gel. After impregnation, drying removes the solvent and calcining decomposes the chelate to the metal or metal oxide which may be reduced or converted to a sulphide or halide. The support may have cracking activity, examples being silica-alumina, silica-magnesia, silica-alumina-zirconia, and clay products. In examples: (1) silica-alumina beads are impregnated with a solution of ammonium molybdate and a chelate compound formed from cobalt and EDTA; (2) alumina is impregnated with a solution of molybdenum trioxide in aqueous oxalic **acid**, dried, calcined and then impregnated with a solution of the cobalt-EDTA compound; (3) silica-alumina is impregnated twice with solutions containing cobalt and molybdenum as in (1); (4) silica-alumina is impregnated with a solution of the cobalt-EDTA compound and the resulting catalyst found to have a longer life in cracking gas oil than a catalyst prepared using an impregnating solution of cobalt nitrate; (5)-(7) silica-alumina is impregnated with a solution of a chelate compound of cobalt and aspartic **acid**, **glutamic acid**, or tryptophan; (8)-(10) silica-alumina is impregnated with a solution of a chelate compound of iron and EDTA, valine, or phenylalanine; (11)-(13) silica-alumina is impregnated with a solution of a chelate compound of nickel and EDTA, alpha-alanine, or beta-alanine; (14) alumina is impregnated with an ammoniacal solution of a chelate compound of platinum and EDTA containing chlorine; (15) silica-alumina is impregnated with an ammoniacal solution of a chelate compound of platinum and EDTA free from chlorine; (16) silica-alumina containing cobalt and chromium is prepared by impregnating the support with a solution of cobalt-EDTA-chromate; (17) silica-alumina containing zinc and chromium is prepared by impregnating the support with a solution of zinc-EDTA-chromate; (18) silica-alumina is impregnated with a solution of a cobalt salt of an **acid** nickel chelate formed from nickel and EDTA; (19) silicon-alumina is impregnated with a solution of a nickel salt of an **acid** nickel chelate as in (18); (20) silica-alumina is impregnated with a solution of a chelate compound of nickel and asparagine; (21) silica-alumina is impregnated with a solution of a cobalt salt of an **acid** platinum chelate formed from platinum and EDTA; (22) silica-alumina is impregnated with a solution of a nickel salt of **acid** ferric chelate formed from iron and EDTA; (23) silica-alumina is impregnated with calcium, magnesium, or barium salts of **acid** chelates formed from EDTA and iron, platinum, cobalt, or chromium. The catalysts may be used in processes of hydrogenation, dehydrogenation, cracking and hydrocracking, isomerization, reforming, aromatization, cyclization, oxidation, desulphurization, denitrogenation, and disproportionation.

Classifications:

International (IPC 8-9): B01J23/40 B01J23/652 B01J23/74 B01J23/84 B01J23/85 B01J23/86 B01J27/049 B01J27/051 B01J37/02 C10G45/08 (Advanced/Invention);

B01J21/12 B01J35/10 B01J37/03 B01J37/08 (Advanced/Non-invention);

B01J23/40 B01J23/54 B01J23/74 B01J23/76 B01J27/04 B01J37/00

C10G45/02 (Core/Invention);

B01J21/00 B01J35/00 (Core/Non-invention)

International (IPC 1-7): C07B1/00 C07B3/00 C10G13/04 C10G13/10 C10G23/02 C10G35/08

CPC: Y10S502/509 C10G11/02 B01J21/12 B01J23/40 B01J23/652 B01J23/74

B01J23/84 B01J23/85 B01J23/86 B01J23/88 B01J27/049 B01J27/051 B01J35/1014

B01J37/02 B01J37/0201 B01J37/0203 B01J37/03 B01J37/086 C10G27/00 C10G29/06

C10G45/08 C10G49/04 C10G49/06

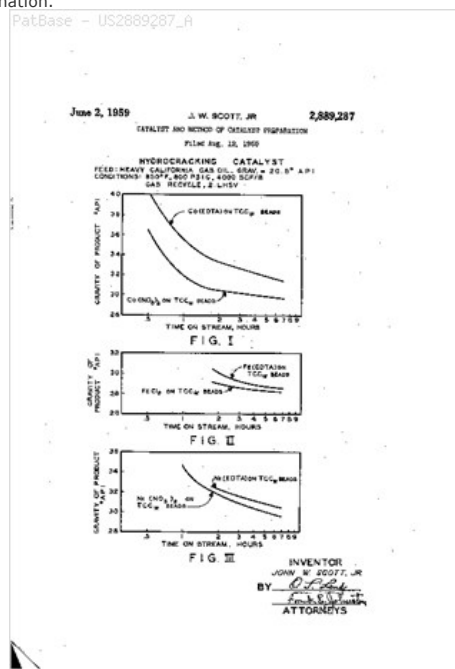
European: 12G4A2C B01J23/40 B01J23/652D B01J23/74 B01J23/84 B01J23/85

B01J23/86 B01J23/88 B01J27/049 B01J27/051A B01J37/02B2 C10G11/02 C10G27/00

C10G29/06 C10G45/08 C10G49/04 C10G49/06 L01J21/12 L01J35/10A4 L01J37/02

L01J37/02B L01J37/03 L01J37/08B4

US: 208/216R 208/217 502/220 502/255 502/256 502/261 502/314 502/509

**Family:**

Publication number	Publication date	Application number	Application date
DE1072595 B	19600107	DE1955C011899	19551003
DE1121757 B	19620111	DE1957G022971	19570919
FR1209058 A	19600229		00000000
GB796175 A	19580604	GB19550026987	19550921
GB816307 A	19590708	GB19570001766	19570117
GB823119 A	19591104	GB19570027742	19570903
NL110425 C	19650115	NL19570221942	19571028
NL221942 A	00000000		00000000
US2880171 A	19590331	US19560619405	19561031
US2889287 A	19590602	US19550527903	19550812

Priority:

US19550527903 19550812 US19560619405 19561031

Probable Assignee: GULF RESEARCH DEVELOPMENT CO

Assignee(s): (std): CALIFORNIA RESEARCH CORP ; GULF RESEARCH DEVELOPMENT CO ; SINCLAIR REFINING CO

Assignee(s): GULF RESEARCH AND DEVELOPMENT CO

Inventor(s): (std): BURNS JOSEPH ; FLINN RICHARD A ; FLINN RICHARD ALFRED ; MCKINLEY JOSEPH B ; SCOTT JR JOHN W

Inventor(s): JR JOHN W SCOTT

Title: Amino **acid** compounds and methods for producing the same

Abstract: Source: GB811103A The invention comprises 6-diazo-5-oxonorleucine (DON) including its optical enantiomorphs, alkali and alkaline earth metal salts, the C1-4 alkyl and benzyl esters thereof and the N-trifluoroacetyl derivatives of all these compounds; and their preparation by the following methods: (1) hydrazine is reacted with an alkyl ester or an alkali or alkaline earth metal salt of 6-diazo-5-oxo-N-phthaloylnorleucine to give the corresponding ester or salt of DON, which may then be hydrolysed with aqueous alkali below room temperature and/or neutralized, preferably at pH 5.5 to 7. Two to three equivalents of hydrazine are preferably used at below about 50 DEG C. (2) 6-Amino-5-oxonorleucine, preferably used in **acid**-addition salt form, is diazotized, suitable diazotizing agents being nitrous **acid**, as a solution or generated in situ, alkyl nitrites and nitrosyl compounds. (3) **Glutamic acid** a -benzyl ester is reacted with at least one equivalent of a halogenating agent, preferably at below 50 DEG C., and the resulting 4-carbobenzoxo-4-aminobutyl halide is reacted in the cold with at least three equivalents of diazomethane to give 6-diazo-5-oxonorleucine benzyl ester which may then be hydrolysed with aqueous alkali at below 30 DEG C. and neutralized at pH 5.5 to 7. The reaction with diazomethane is advantageously performed at from -5 DEG to 10 DEG C. in an inert anhydrous organic solvent. (4) Gamma-benzyl-N-carboxyglutamate anhydride is hydrogenolysed, preferably in presence of a noble metal at a hydrogen pressure of 10 to 60 p.s.i., the resulting N-carboxyglutamate anhydride is reacted with at least one equivalent of a halogenating agent to give a 4-halocarbonylethylloxazolidine-2:5-dione, this is reacted in the cold with at least two equivalents of diazomethane and the resulting 4-(4-diazo-3-oxobutyl)-oxazolidine-2:5-dione is hydrolysed in an aqueous medium below 30 DEG C. and neutralized at pH 5.5 to 7 to give DON. The reaction with diazomethane is advantageously performed at -5 to 10 DEG C. in an inert organic solvent and the hydrolysis is preferably carried out in an alkaline medium. (5) N-trifluoroacetylglutamic **acid** is reacted with at least one equivalent of **acetic** anhydride, preferably at below 100 DEG C., the resulting N-trifluoroacetylglutamic anhydride is reacted with an alcoholic agent R11OM (R11 being C1-4 alkyl or benzyl and M hydrogen or an alkali metal) to give a mixture of the a -R11-ester and gamma-R11-ester of N-trifluoroacetylglutamic **acid**, the a -ester, free from or admixed with the gamma-ester, is reacted with at least one equivalent of a halogenating agent to give 4-carbobenzoxo- or 4-carbalkoxy-4-trifluoroacetamido-butyl halide and this is reacted in the cold, preferably at -5 DEG to 10 DEG C., with at least two equivalents of diazomethane to give 6-diazo-5-oxo-N-trifluoroacetylnorleucine which may then be hydrolysed with aqueous alkali at below 30 DEG C. and neutralized at pH 5.5 to 7 and preferably 6 to 6.5 below room temperature to DON. Advantageously the alcoholic agent is sodium methoxide and the reaction therewith is carried out at below room temperature; and a preferred halogenating agent is thionyl chloride used at 50 DEG to 80 DEG C. (6) A sterile aqueous nutrient medium of pH between 5.0 and 8.5 and containing sources of carbon and nitrogen and inorganic salts is inoculated with Streptomyces C-2943, the resulting mixture is incubated under sterile, preferably submerged, aerobic conditions at between about 20 DEG and 35 DEG C., and preferably between 23 DEG and 29 DEG C., for a sufficient length of time for the production of L-DON, the solid material is removed and this product is isolated from the aqueous culture liquid. Advantageously, the nutrient medium contains at least one of the following in total quantity between 1.5 and 2 per cent of the total weight of the medium: soybean oil meal, wheat gluten meal, brewers' yeast, saline extracted hog stomach, meat protein hydrolysate, distillers' solubles, corn steep solids, soybean peptone and **acid** hydrolysed casein. The medium also preferably contains up to 2 per cent glucose or galactose and 0.1 to 0.5 per cent of an inorganic ammonium salt. The L-DON may be isolated by concentrating the culture liquid, e.g. to one fifth to one twentieth of its original volume, adding 3 to 10 volumes of a water-miscible organic solvent, separating precipitated impurities, contacting the solution with an adsorbent such as alumina of pH 5 to 8, eluting the product from the adsorbent with an eluant such as water or an aqueous solution of an organic solvent, e.g. ethanol, and recovering the product from the eluant. For further purification the L-DON so obtained may be formed into a dilute aqueous solution containing a minor proportion of a water-miscible organic solvent, the pH adjusted to 6 to 7, the solution contacted with active carbon, the adsorbed L-DON eluted with water containing less than 25 per cent of a water-miscible organic solvent, preferably acetone, and the eluant removed. In examples: (1) L-6-diazo-5-oxo-N-phthaloylnorleucine methyl ester with hydrazine hydrate in methylene chloride gives L-6-diazo-5-oxonorleucine methyl ester which is hydrolysed with methanolic NaOH at 0 DEG C. to give, on acidification and evaporation of the solvent, a product which is freeze dried, dissolved in water containing acetone, adsorbed in a column of activated carbon and diatomaceous earth, eluted with aqueous acetone and freeze dried to give L-DON; it is stated that the D-isomer is prepared similarly; (2) DL-DON is prepared similarly; (3) L-DON is prepared from L - 6 - diazo - 5 - oxo - N - phthaloylnorleucine potassium salt (prepared by hydrolysis of the methyl ester with methanolic potassium carbonate) and hydrazine hydrate in methanol and purified by a similar method to (1); it is stated that the D-isomer is prepared similarly; (4) DL-6-amino-5-oxonorleucine dihydrochloride is diazotized with sodium nitrite to give DL-DON which is purified by a similar method to (1); it is stated that L-DON and D-DON can be prepared similarly; (5) L-**glutamic acid** a -benzyl ester with Cbl5 in acetyl chloride gives L-4-carbobenzoxo-4-aminobutyl chloride dihydrochloride, this with diazomethane in ether gives L-6-diazo-5-oxonorleucine benzyl ester and this on hydrolysis and purification as in (1) gives L-DON; it is stated that DL- and D-DON are prepared similarly; (6) L-4-(4-diazo-3-oxobutyl) oxazolidine - 2:5 - dione is hydrolysed with aqueous NaOH, the solution acidified and the product isolated and purified as in (1) to give L-DON; it is stated that D- and DL-DON are prepared similarly; (7) N-trifluoroacetyl-L-**glutamic acid** and **acetic** anhydride give N-trifluoroacetyl - L - **glutamic** anhydride and this on treatment with sodium methoxide in methanol gives a mixture of the alpha- and gammamethyl esters of N-trifluoroacetyl-L-**glutamic acid**, the former predominating (and it is stated that the benzyl esters can be prepared similarly using sodium benzyolate in benzyl alcohol); also the a -benzyl ester is prepared free of the gammaester by reacting L-**glutamic acid** a - benzyl ester and ethyl thioltrifluoroacetate in dilute alkali at 23-24 DEG C., and the a -methyl ester is prepared free of the gamma-ester by reacting L-**glutamic acid** gamma-benzyl ester and ethyl thioltrifluoroacetate in dilute alkali to give N-trifluoroacetyl-L-**glutamic acid** gamma benzyl ester, esterifying this with diazomethane to give N-trifluoroacetyl-L-**glutamic acid** alpha-methylgamma-benzyl ester and hydrogenolysing this over palladium-charcoal; the mixture of N-trifluoroacetyl-L-**glutamic acid** a - and g -methyl ester with thionyl chloride gives a mixture of L - 4 - carbomethoxy - 4 - trifluoroacetamidobutyl chloride and L-2-trifluoroacetamido-4-carbomethoxybutyl chloride, this mixture with diazomethane in ether in the cold gives a product containing methyl L-6-diazo-5-oxo-N-trifluoroacetylnorleucine ester and this product on treatment with methanol and sodium hydroxide in the cold with subsequent acidification gives a product containing L-DON, which is purified by a similar method to (1); (8) a nutrient medium containing maltose, butanol-acetone fermentation residue, **acid** hydrolysed casein, calcium carbonate, sodium chloride and water is adjusted to pH 7.5 with sodium hydroxide, sterilized and inoculated with a castile soap solution suspension of Streptomyces C-2943 to give on incubation and filtration a solution containing L-DON, isolated as described in (9); (9) a nutrient medium containing glucose monohydrate, soybean oil meal, hog stomach saline extracted, ammonium chloride, sodium chloride, calcium carbonate, water and sufficient sodium hydroxide to give a pH of 7.5 is sterilized and inoculated with a sodium heptadecyl sulphate solution suspension of Streptomyces C-2943, the incubated medium is filtered, the filtrate is concentrated, ethanol is added, the solution is filtered, the filtrate is adsorbed on a column of activated alumina, the column is eluted with aqueous ethanol and the eluate freeze dried, the dried material is dissolved in aqueous acetone and the solution adsorbed on a column of activated carbon and diatomaceous earth, and the column is eluted with aqueous acetone and chosen fractions are freeze dried to give pure L-DON; and (10) a procedure similar to (9) also gives pure L-DON. Specifications 811,104 and 811,105 are referred to.

Classifications:

International (IPC 8-9): C07C245/18 (Advanced/Invention);

C07C245/00 (Core/Invention)

International (IPC 1-7): C07C113/00

CPC: C07C245/18

European: 124BG12B2H2B6 124BG8B3B2D4 124BG8B3B2D6 6G2 C07C245/18

Family:

Publication number	Publication date	Application number	Application date
GB811103 A	19590402	GB19560012521	19560424

Priority:

19550825

Probable Assignee: PARKE DAVIS AND CO

Assignee(s): (std): PARKE DAVIS AND CO

Assignee(s): PARKE DAVIS AND COMPANY

Title: Method for electrolytically polishing stainless **steel**

Abstract: Source: US3389065A ABSTRACT OF THE DISCLOSURE
Method for electrolytically polishing stainless **steel** to effect a pear-like appearance thereon which comprises elec-trolyzing a solution consisting essentially of water, sulfuric **acid** and an effective amount of an additive which sticks 'unevenly on the surface of the stainless **steel** anode during electrolysis. Additives which may be employed include high molecular weight substances such as starch, glue, sawdust and paper, sugars such as dextrose and mannitol, organic **acids** or salts thereof such as malic **acid**, citric **acid**, succinic **acid**, tartaric **acid**, **acetic acid**, gluconic **acid**, sodium malate and sodium gluconate, poly-hydric alcohols such as glycerine, ethylene glycol and inositol, amines such as butylamine and 2-ethylhexylamine, picoline, nicotinic **acid** amide, synthetic high -molecular weight substances such as polyvinyl alcohol and polyethylene glycol and amino **acids** such as aspartic **acid**, **glutamic acid** and glycine. Electrolysis is carried out at a temperature of from 0 degrees to 100 degrees C. and at a current density of from 5 to 500 amperes per square decimeter.

Classifications:
International (IPC 8-9): C25F3/06 C25F3/24 (Advanced/Invention)
International (IPC 1-7): C25F3/06 C25F3/24
CPC: C25F3/06 C25F3/24
European: C25F3/06 C25F3/24
US: 204/140.5 205/675 205/676 205/677 205/682 205/684 252/79.4

Family:

Publication number	Publication date	Application number	Application date	
BE674347 A	19660415		19651227	
FR1527690 A	19680607		00000000	
GB1124609 A	19680821	GB19650054941	19651228	
US3389065 A	19680618	US19650515726	19651222	

Priority:
JP19640073479 19641228 JP19640073480 19641228

Probable Assignee: KYOWA HAKKO KOGYO KK

Assignee(s): (std): KYOWA HAKKO KOGYO KK

Assignee(s): KYOWA HAKKO CO ; KYOWA HAKKO CO LTD ; KYOWA HAKKO KOGYO CO LTD

Inventor(s): (std): HIROSHI NAGAI ; KOICHI NAGAOKA ; NAGAI HIROSHI ; NAGAOKA KOICHI ; SHIBASAKI YASUICHI ; YASUICHI SHIBASAKI

Title: PROCESS FOR THE PURIFICATION OF CRUDE GONADOTROPIN PREPARATIONS

Abstract: Source: US3655874A ABSTRACT OF THE DISCLOSURE A gonadotropic hormone is purified by preparing a clear aqueous solution of the hormone containing between about 0.33 and about 0.40 mole fraction of a lower aliphatic alcohol, and having a pH between about 6 and 9, and containing between about 0.013 and about 0.016 mole fraction of a salt soluble in the alcohol such as an ammonium or amine salt of a lower aliphatic carboxylic acid, or a salt of a quaternary ammonium base, and then adding either a lower aliphatic carboxylic acid or an inorganic acid until the pH is between 3 and 6, simultaneously raising the alcohol concentration to between about 0.40 and about 0.52 mole fraction to selectively precipitate the gonadotropic hormone. CROSS-REFERENCE TO RELATED APPLICATION This application is a continuation-in-part of copending application Ser. No. 513,588 filed Dec. 13, 1965, now abandoned. B

Classifications:

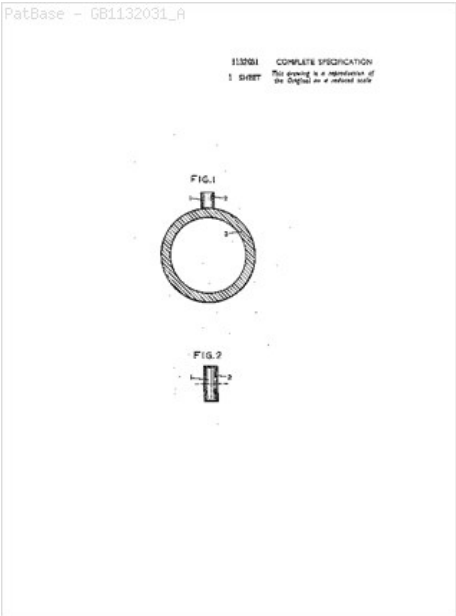
International (IPC 8-9): A61K38/24 F22B37/10 (Advanced/Invention); A61K38/24 (Core/Invention)

International (IPC 1-7): A61K17/00 A61K17/06 A61K37/38 C07G15/00 C22C39/14

CPC: F22B37/106 Y10S530/834 A61K38/24

European: 30H17C2B A61K38/24 F22B37/10G

US: 424/99 530/399 530/834



Family:

Publication number	Publication date	Application number	Application date
BE675068 A	19660713		19660113
CH504867 A	19710331	CH19660000430	19660113
DE1617660 A1	19720706	DE19661617660	19660112
DK115488 B	19691013	DK19660000115	19660110
FR1465013 A	19670322		00000000
FR1465013 A	19670106	FR19660045645	19660112
GB1132021 A	19681030	GB19660000081	19660103
GB1132031 A	19681030	GB19660006569	19660215
NL6500350 A	19660714	NL19650000350	19650113
NL6502092 A	19660822	NL19650002092	19650219
SE321308 B	19700302	SE19660000427	19660113
US3655874 A	19720411	US19690819971	19690428

Priority:

NL19650000350 19650113 NL19650002092 19650219

Probable Assignee: ORGANON LABOR LTD

Assignee(s): (std): HANS VAN HELL ; ORGANON LABOR LTD ; ORGANON NV ; PROVINCIAL EN GEMEENTELIJK UTR

Assignee(s): ORGANON LABORATORIES LIMITED ; ORGANON LABORATORIES LTD ; N V ORGANON ; N V PROVINCIAL EN GEMEENTELIJK UTRECHTS STROOMLEVERINGS BEDRIJF ; NVORGANON

Inventor(s): (std): HELL HANS VAN ; VAN HELL HANS ; VAN HELL H ; HANS HALL

Inventor(s): HALL HANS ; HANS VAN HELL

Title: PLATING PROCESS

Abstract: Source: GB1222969A 1,222,969. Successive electroless and electrolytic plating from the same bath. GEIGY (U.K) Ltd. May 31, 1968 [June 3, 1967], No. 25708/67. Headings C7B and C7F. Metal is deposited on to a substrate which is substantially free from grease and other contaminating material by immersing the substrate in an aqueous bath containing per litre 0.002 to 0.6 moles of a source of metal ions, 0.0015 to 6 moles of a complexing agent for said metal ions, and 0.002 to 2.5 moles of a reducing agent to effect electroless plating and thereafter while still immersed in the same bath effecting electroplating on to the substrate. Preferably the plating solution is agitated during the electroless plating stage which lasts for 10 to 40 minutes to produce a metal film of sufficient thickness to carry the electro-plating current without damage to the film and the specified range of proportions of the metal ions and of the reducing agent is maintained by periodic additions. The substrate may be a metal such as copper, nickel, **steel**, brass chromium, tin or silver or a non-metallic material such as glass, ceramic or a synthetic resin such as an epoxy, amide, vinyl, styrene, ethylene, propylene or acrylic polymer, which material is treated successively with **acid** solutions of stannous chloride and an **acid** noble metal salt e.g. palladium chloride before immersion in the plating bath. Preferably the metal complexing agent is in excess of that required to complex all the metal in the solution. Specified types of complexing agents are aminocarboxylic or polyaminopolycarboxylic **acid** or their alkali metal salts or alkylene or polyalkylene polyamines, while specified reducing agents are formaldehyde, alkali metal hypophosphites, alkali metal borohydrides or aminoboranes. In examples the substrate is stainless **steel** or sensitized activated ABS resin and the plating metal is copper or nickel. Reference is made to the subsequent electro-plating of copper with nickel or chromium. Preferred baths for copper contain copper sulphate, disodium EDTA, sodium hydroxide and formaldehyde together with either sodium cyanide and optionally thiourea, used at pH 12A1 to 12.7 and 23°C., or with sodium cyanide or carbonate and mercaptobenzthiazole used at pH 11.8 to 12.4 at 50°C., while for nickel the baths contain nickel chloride, disodium EDTA, sodium hypophosphite and lead chloride, used at pH 4.5 and 70 or 85°C. Reference is made to including arsenic in the nickel baths e.g. added as arsenate ions or arsenic pentoxide. To avoid electroless deposition on the anodes, which preferably are of the metal to be deposited, during the initial electroless step either the anodes are removed from the bath or they are made slightly anodic relative to inert cathodes. Reference is made to applying the invention to the deposition of silver, gold, cobalt, platinum or palladium.

Classifications:
International (IPC 8-9): C23C18/52 C25D3/02 C25D5/34 (Advanced/Invention);
C23C18/16 C25D3/02 C25D5/34 (Core/Invention)
International (IPC 1-7): C23C3/02 C25D3/02 C25D5/34
CPC: C23C18/52 C25D3/02 C25D5/34
European: C23C18/52 C25D3/02 C25D5/34

Family:

Publication number	Publication date	Application number	Application date
FR1568642 A	19690523		19680613
GB1222969 A	19710217	GB19670025708	19670603

Priority:
GB19670025708 19670603

Probable Assignee: GEIGY UK LTD
Assignee(s): (std): GEIGY U K LTD ; GEIGY UK LTD
Assignee(s): GEIGY U K LIMITED
Inventor(s): (std): HOWARD DONALD KEAREY ; STRICKLAND GORDON ROBERT
Inventor(s): DONALD KEAREY HOWARD ; GORDON ROBERT STRICKLAND

Title: ELECTROLYTIC TREATMENT

Abstract: Source: US3776825A ABSTRACT OF THE DISCLOSURE An aqueous solution is provided containing (1) an alkali metal or alkaline earth metal halide where the halogen has an atomic weight of 35 to 127 and (2) an amine containing a hydroxy group, a sulfonic **acid** group, an acetyl group or a carboxylic **acid** group and the solution is decomposed electrolytically to form the corresponding N-halo compound in situ. The present invention relates to the formation of N-monohaloamines. N-monohaloamines also containing a hydroxy group, a sulfonic group, an N-acetyl group or a carboxylic **acid** group are useful for many purposes. Thus they are useful in treating teeth to remove caries and plaque, prevent the formation of calculus and to brighten teeth. Many of these N-monohaloamines which are most useful for such purposes are relatively unstable and must be prepared in situ. The normal way for preparing such compounds is to employ alkali metal or alkaline earth metal hypohalites. Such hypohalites also are unstable in aqueous solution. The instability of the hypohalite and of the N-haloamino compound is an impediment to the free and full use of such solutions. The halogen atoms have an atomic weight of 35 to 127, i.e., they are chlorine, bromine or iodine. It is accordingly an object of the present invention to provide a method for the formation of the solutions immediately prior to use. Another object is to provide a method for the formation of the solutions, immediately prior to use, in an apparatus for their application to the teeth. An additional object is to provide an apparatus for the electrolytic formation of such solutions and their application to the teeth essentially immediately upon formation. According to the present invention, a solution of an alkali metal or an alkaline earth metal halide is decomposed electrolytically so as to provide free halogen which then reacts to form hypohalite in the presence of hydroxide ion. In order to form an N-halo derivative, the starting solution should also contain a suitable amino compound or compounds. The hypohalite reacts to form an N-halo derivative as soon as it is formed in the solution. The starting solution may contain one or more alkali metal or alkaline earth metal halide MX and/or M²X₂, where M equals Li, Na, K, Rb, Cs and M²equals Ca, Sr, Ba and X equals Cl, Br, I. These solutions are electrolytically decomposed according to the following equations: Anode M++e+H₂O-MOH+¹/H₂ Cathode X--¹/X₂ +e or Anode M+++2e+2H₂O-M²(OH)₂ +H₂ Cathode 2X--- X₂ +2e The free halogen obtained immediately forms hypohalite: 2MOH+X₂ -- MOX plus or minus MX plus or minus H₂O M²(OH)₂ plus or minus X₂ - M²X(OX) +H₂O 2M²(OH)

+ 2X₂-y M²(OX)₂ + M²X₂ plus or minus 2H₂O These hypohalites can then react with a suitable amino compound(s) to give the N-halo derivative(s). Examples of suitable starting halides are sodium chloride, sodium bromide, sodium iodide, lithium chloride, lithium bromide, lithium iodide, potassium chloride, potassium bromide, potassium iodide, rubidium or cesium chloride, calcium chloride, calcium bromide, calcium iodide, strontium chloride, strontium bromide, strontium iodide, barium chloride, barium bromide and barium iodide. The solution formed should have an alkaline pH usually 8 to 12 an preferably 10.5 to 11.5, most preferably 11 to 11.5. Desirably the electrolysis is carried out to form a solution 0.004 to 0.016 molar in N-haloamine while not essential it is preferable to have present excess unhalogenated amine, i.e., in an amount up to 15 times the halogenated amine and preferably 6 to 8 times the Nhalogenated amine on a molar basis. As the amino nitrogen compounds there can be used either inorganic compounds such as sulfamic **acid** or organic compounds containing 2 to 11 carbon atoms, e.g., glyciuc, sarcosine, alpha-aminoisobutyric **acid**, taurine, 2-aminoethanol, N-acetylglucine, alanine, beta-alanine, serine, phenyl alanine, norvaline, leucine, isoleucine, proline, hydroxyproline, omega aminoundecanoic **acid**, as-par-tic **acid**, **glutamic acid**, glutamine, asparagine, valine, tyrosine, threonine, cysteine, cystine, methionine, glutamine, tryptophane, histidine, arginine, lysine, alpha-amino-butyr. **acid**, gamma-aminobutyric **acid**, alpha, epsilon diamino pimelic **acid**, ornithine, hydroxyl lysine, anthranilic **acid**, p-aminobenzoic **acid**, sulfanilic **acid**, orthonilic **acid**, phenyl sulfamic **acid**, aminopropanesulfonic **acid**, 2-45aminoethanol, 2-aminopropanol, diethanolamine, ethylenediamine tetra **acetic acid** (EDTA), nitrilotriacetic **acid** and aminomethanesulfonic **acid**. Examples of N-halo compound include N-chloroglycine, N-bromoglycine, N-iodoglycine, N-chlorosarcosine, N - bromosarcosine, N - iodosarcosine, N - chloro alpha amino isobutyric **acid**, N - chlorotaurine, N - bromotaurine, N-iodo taurine, N-chloro ethanolamine, Nethanolamine, N-iodo - N-acetyl glycine, N-bromo, N-acet-yl glycine, N-chloroalanine, N-chloro beta alanine, N-bromo beta alanine, N-chloroserine, N-bromoserine, Niodoserine, N-chloro-N-phenylalanine, N-chloroisoleucine, N-chloronorvaline, N-chloroleucine, N-bromoleucine, Niodoleucine, N-chloroproline, N-bromoproline, N-iodopro-line, N-chloro hydroxyproline, N-chloro omega aminoundecanoic **acid**, N-chloroaspartic **acid**, N-bromoaspartic **acid**, N-chloroglutamic **acid**, N-iodoglutamic **acid**, Nchlorovaline, N-chlorotyrosine, N-bromotyrosine, N-iodo-tyrosine, N-chlorothreonine, N-chlorocysteine, N-chloro-cystine, N-chloromethionine, N-bromomethionine, N-6.5 chlorotryptophane, N-chlorohistidine, N-chloroarginine, N-chloroglutamine, N-bromoglutamine, N-chlorolysine, N-chloro gamma aminobutyric **acid**, N-chloro alpha, epsilon diaminopimelic **acid**, N-chloro ornithine, N-chloro hydroxyllysine, N-chloroanthranilic **acid**, N-chloro p-ami-nobenzoic **acid**, N-chlorosulfanic **acid**, N-chloro phenylsulfamic **acid**, N-chloro aminopropanesulfonic **acid**, Naminomethanesulfonic **acid**, N-chloropropanolamine, Nchlorodiethanolamine, N-chloro ethylene diamine tetraacetic **acid** (in this compound the nitrogen atom apparently functions as a quaternary nitrogen). Ilypohalides MOX and/or M²X(OX) and/or M² (OX)₂ and/or N-halo derivatives specified above, can be generated in the stream of a water solution, e.g. to be delivered as a liquid jet stream. In a preferred method, the electrolysis step is carried out in a flow system upstream of a reservoir to receive the activated solution, or upstream of a means adapted to direct the stream of activated solution onto an affected area such as the teeth. By way of example, the electrolysis may take place in a cell coupled to a dispenser nozzle, either at the nozzle itself or in a separate location and coupled to the nozzle through piping such as flexible hose. The stream of liquid may be at constant pressure, but in a preferred method it is used as a pulsating stream so as to act on the affected tooth material not only by abrasion caused by the stream flow, but also by erosion caused by mechanical fatiguing of the affected material by the pulsating jet. The invention will be understood best in connection with the drawing wherein the single figure is a diagrammatic illustration of one apparatus for carrying out the invention. Referring more specifically to the drawing there is provided a reservoir 2 containing starting aqueous solution containing, for example, sodium chlorine and glycine (as well as hydroxide, e.g., NaOH to control the p11). The solution then goes via suction check valve 4 to a pump 6, e.g., a pulse generator with drive. The solution then goes to electrolytic cell 8 whenever needed. Flow of the solution is controlled by foot switch 16. The hypohalite, e.g., sodium hypochlorite is formed in situ in the cell 8 and immediately forms the N-halo compound, e.g., N-chloro-glycine. The cell has an inlet 20 and an outlet 22. After leaving the outlet 22 the N-haloamine formed goes via flexible hose or-tubing 10 to the hypodermic needle (or the nozzle) 14 which can be held by handle 12 and the flow of solution directed to a patient's mouth. The starting solution advantageously contains (i) MX and MOH or M²(OH)₂ and/or M²X₂ and M²(OH)₂or MOH and (ii) a suitable water soluble amino compound, capable of forming an N-halo derivative by reacting with the hypohalide. Illustrative hydroxides are sodium hydroxide, potassium hydroxide, calcium hydroxide, barium hydroxide. The pump may generate, for example, a steady pressure of 10 to 200 p.s.i., preferably 20-40 p.s.i., or a pulsating pressure of from 0 to 10 p.s.i., up to 0 to 200 p.s.i. during each pulse Pulse frequency may conveniently be from 100 to 1500 pulses per minute, and preferably 400-750 pulses a minute. The electrolytic cell must contain an anode, preferably a graphite anode, and cathode, preferably a stainless **steel** cathode. The anode is connected to the plus pole and the cathode to the minus pole of an electric current source, for instance, a battery. Potential between the anode and cathode must be above 1.5 volt, and preferably between 2.0 and 5.0 volts. A thermostat is preferably employed, e.g., a low volume/high surface type, or a direct electric current heater, to allow maintenance of temperature preferably between and 450 C., and especially body temperature 370 C., in the solution beyond the nozzle. The handle may be connected with the apparatus via a flexible hose or pipe capable of free bending and preferably able to withstand pressures up to 200 p.s.i. at a maximum temperature of,e.g., 450 C. It could carry a nozzle of a gauge of, say, 19 to 30, and preferably 20 to 23. It is useful to have an exchangeable nozzle, such as a hypodermic needle. EXAMPLE Preparation of a decayed tooth for filling Any of the solutions below may be delivered through the above-described apparatus, either as a steady jet or as a pulsating jet stream to remove caries from teeth or to remove plaque from teeth. Steady stream conditions are less efficient than pulsating conditions.

Classifications:

International (IPC 8-9): A61C17/00 A61C17/02 A61C17/024 A61C17/028 A61K33/20 A61K6/00 A61K8/20 A61K8/40 A61K8/41 A61K8/44 A61K8/46 A61Q11/00 B01J19/00 B01J19/08 C01B21/09 C07C301/00 C07C303/22 C07C303/34 C07C309/13 C07C309/14 C07C67/00 C07D209/20 C25B3/06 (Advanced/Invention); A61C17/00 A61K33/20 A61K6/00 B01J19/00 B01J19/08 C07C301/00 C07C67/00 (Advanced/Non-invention); A61C17/00 A61K33/20 A61K6/00 A61K8/19 A61K8/30 A61Q11/00 B01J19/00 B01J19/08 C01B21/00 C07C301/00 C07C303/00 C07C309/00 C07C67/00 C07D209/00 C25B3/00 (Core/Invention)

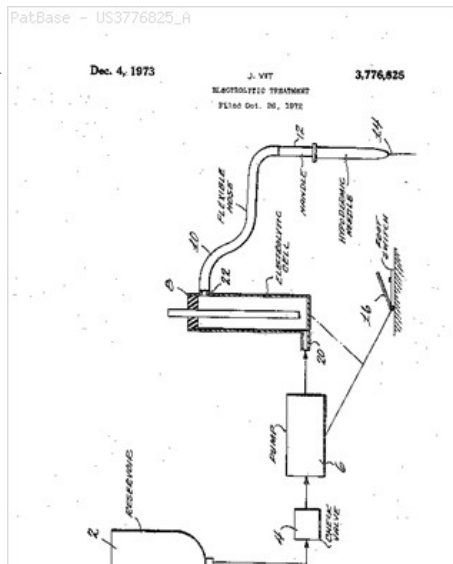
International (IPC 1-7): A61C17/00 A61C19/00 A61K27/00 A61K33/20 A61K5/00 A61K5/02 A61K6/00 A61K7/22 B01J11/00 B01J19/00 B01K1/00 C01B21/09 C07C101/10 C07C143/14 C07C85/00 C07C87/22 C25B3/06

CPC: A61K8/44 A61Q11/00 C25B3/06

European: A61K7/20 A61K7/22 A61K8/44 A61Q11/00 C25B3/06

US: 204/81 205/434 205/435 205/436 205/546 205/551 433/217.1

PatBase - US3776825_A



**Family:**

Publication number	Publication date	Application number	Application date	
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AU207357407 A1	19750109	AU19730057407	19730627	
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JP50105601 A2	19750820	JP19730071598	19730625	
JP56035752 B4	19810819	JP19730071598	19730625	
US3776825 A	19731204	US19720301142	19721026	

Priority:

GB19720039591 19720824 US19720300887 19721026 US19720301142 19721026
AU19730057407 19730627

Probable Assignee: NAT PATENT DEV CORP

Assignee(s): (std): HALSTEAD J M ; JAROSLAV VIT ; NAT PATENT DEV CORP ; NAT PATENT DEVELOP CORP

Assignee(s): NATIONAL PATENT DEVELOP CORP ; NATIONAL PATENT DEVELOP CORP US ; NATIONAL PATENT DEVELOPMENT CORP ; NATIONAL PATENT DEVELOPMENT CORP NEW YORK N Y V S ; NATIONAL PATENT DEVELOPMENT CORP NEW YORK N Y V ST A ; VIT JAROSLAV ; NAT PATENT DEV CORP US

Inventor(s): (std): VIT JAROSLAV ; VIT J

Inventor(s): VIT JAROSLAV BELLE MEAD N J V ST A ; JAROSLAV VII ; JAROSLAV VIT ; VIT J US

Title: ELECTRODEPOSITION OF BRIGHT NICKEL IRON DEPOSITS EMPLOYING A COMPOUND CONTAINING A SULFIDE AND A SULFONATE

Abstract: Source: US3795591A ABSTRACT OF THE DISCLOSURE An aqueous bath suitable for the electrodeposition of a bright iron nickel electrodeposit onto a substrate susceptible to corrosion comprising iron ions, nickel ions, a bath soluble primary nickel brightener, an effective amount of a bath soluble complexing agent containing at least two complexing groups, said groups being independently selected from the group consisting of carboxy and hydroxy, provided at least one group is a carboxy group; the bath having a pH from 2.5 to about 5.5 and an ion of the formula: -O₃S-R-S--A wherein A may be hydrogen, -R₁ ---SO₃ -, -S---R₂ -SO₃ - or R₃; R, R, or R₂ may be a saturated alkylene, arylene, or aralkylene; and R₃ may be alkyl, aryl or aralkyl.

Classifications:

International (IPC 8-9): C25D3/14 C25D3/18 C25D3/56 (Advanced/Invention); C25D3/12 C25D3/56 (Core/Invention)

International (IPC 1-7): C23B5/04 C23B5/06 C23B5/08 C23B5/32 C23B5/46 C23B5/50 C25D3/12 C25D3/14 C25D3/16 C25D3/18 C25D3/20 C25D3/56

CPC: C25D3/14 C25D3/562

European: C25D3/14 C25D3/56B

US: 204/41 204/43T 205/112 205/113 205/180 205/260



Family:

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BR7304785 A0	19740815	BR19730004785	19730628	
BR7409375 A	19760518	BR19740009375	19741107	
CA1006842 A1	19770315	CA19730171760	19730518	
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CA1028649 A1	19780328	CA19740213100	19741104	
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DE2333069 C2	19830113	DE19732333069	19730629	
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IT989714 A	19750610	IT19730051194	19730703	
JP1091574 C3	19820331	JP19740128834	19741108	
JP50089225 A2	19750717	JP19740128834	19741108	
JP56035753 B4	19810819	JP19740128834	19741108	
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US3806429 A	19740423	US19730380631	19730719	
US3878067 A	19750415	US19730414003	19731108	

Priority:

US19720268349 19720703

US19730414003 19731108

US19720268352 19720703

DE19732333069 19730629

US19720268348 19720703

US19730380631 19730719

Probable Assignee: OCCIDENTAL CHEMICAL CORP

Assignee(s): (std): HOOKER CHEMICALS PLASTICS CORP ; OXY METAL FINISHING CORP ; OXY METAL IND CORP ; OMI INT CORP

Assignee(s): OXY METAL IND ; OMI INT ; OXY METAL IND CORP US ; OXY METAL FINISHING CORP US ; OMI INT CORP EINE GES N D GES ; OMI INT CORP EINE GES N D GES D STAATES DELAWARE WARREN MICH US ; OXY METAL IND TE WARREN MICHIGAN VER ST V AM CORP ; TREMMEL ROBERT A ; MANUFACTURERS HANOVER TRUST CO ; MANUFACTURERS HANOVER TRUST CO A CORP OF ; OCCIDENTAL CHEMICAL CORP ; ADAMOWICZ NORMAN C ; CLAUSS RICHARD J ; HOOKER CHEMICALS AND PLASTICS CORP ; HOOKER CHEMICALS AND PLASTICS CORP 48089 WARREN MICH US ; HOOKER CHEMICALS AND PLASTICS CORP A CORP OF NY

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Inventor(s): TREMMEL ROBERT ARNOLD WOODHAVEN MICH ; TREMMEL ROBERT ARNOLD WOODHAVEN MICH US ; ADAMOWICZ N US ; TREMMEL R US ; ROBERT ARNOLD TREMMEL ; RICHARD JOHN CLAUSS ; NORMAN CHARLES ADAMOWICZ ; CLAUSS RICHARD JOHN ALLEN PARK MICH ; CLAUSS RICHARD JOHN ALLEN PARK MICH US ; JOHN CLAUSS RICHARD ; ADAMOWICZ NORMAN CHARLES INKSTER MICH ; ADAMOWICZ NORMAN CHARLES INKSTER MICH US ; ARNOLD TREMMEL ROBERT ; CHARLES ADAMOWICZ NORMAN ; CLAUSS R US

Title: Anti-corrosive agent for metals

Abstract: Source: US4028055A A method of inhibiting corrosion of metals comprising applying to a metal surface in an effective concentration a saturated aliphatic triamine of 9 carbon atoms having at each terminal position a primary amino group and being branched in the 4-position of the main chain. Such specific triamines include 1,3,6-triaminomethylhexane and 1,2,3-triaminoethylpropane. Addition products and condensation products derived from these organic triamines are also effective. The present anti-corrosive agents show a remarkable rust preventive effect to metals even when used in a small amount and are non toxic.

Classifications:
International (IPC 8-9): C23F11/14 C23G1/06 C23G3/00 (Advanced/Invention); C23F11/10 C23G1/02 C23G3/00 (Core/Invention)
International (IPC 1-7): C07C103/00 C07C87/00 C09K3/00 C23F11/00 C23F11/04 C23F11/06 C23F11/10 C23F11/14 C23G1/00 C23G1/06 C23G1/18 C23G1/26
CPC: C23F11/141 C23F11/145
European: 124BG12B2D 124BG12B2D2 124BG2B3F C23F11/14A C23F11/14C
US: 106/14.14 106/14.15 106/14.18 106/14.31 21/2.7R 252/390 252/392 422/12 422/13 422/16 422/17 510/264 510/269 510/363 564/512

Family:

Publication number	Publication date	Application number	Application date	
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DE2611187 B2	19780511	DE19762611187	19760317	
DE2611187 C3	19790125	DE19762611187	19760317	
FR2304688 A1	19761015	FR19760007897	19760318	
FR2304688 B1	19790420	FR19760007897	19760318	
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JP51108644 A2	19760927	JP19750033392	19750319	
JP53043377 B4	19781118	JP19750033392	19750319	
JP958836 C3	19790614	JP19750033392	19750319	
US4028055 A	19770607	US19760667622	19760317	
US4073618 A	19780214	US19770774631	19770304	

Priority:
JP19750033392 19750319 US19760667622 19760317

Probable Assignee: ASAHI CHEMICAL IND

Assignee(s): (std): ASAHI CHEMICAL IND

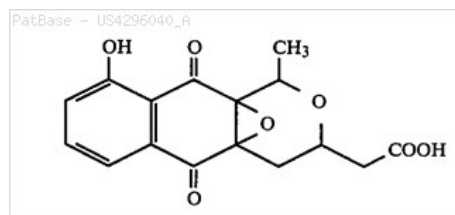
Assignee(s): ASAHI CHEMICAL IND CO LTD ; ASAHI KASEI KOGYO K K ; ASAHI KASEI KOGYO K K OSAKA JAPAN ; ASAHI KASEI KOGYO KK ; ASAHI KASEI KOGYO KABUSHIKI KAISHA

Inventor(s): (std): INOE SATORU ; INOUE AKIRA ; KAWAMOTO HIROSHI ; KOMOTO HIROSHI ; SAITO KAZUAKI ; CHONO MASAZUMI ; DOI TSUNESUKE ; SHINOZUKA ISAO ; TEINO MASAZUMI

Inventor(s): SHINOZUKA ISAO KAWASAKI ; DOI TSUNESUKE TAMA TOKIO ; SAITO KAZUAKI CHIGASAKI

Abstract: Source: US4296040A The present invention teaches a new antibiotic nanaomycin E represented by the formula: Nanaomycin E is active against Gram-positive bacteria, Trichophyton and Mycoplasma and may be used as antibacterial and therapeutic agents for humans and animals. Nanaomycin E is also a useful starting material for the preparation of nanaomycin A which latter nanaomycin has the highest activity among the various nanaomycin-type compounds. Nanaomycin E is produced by fermentation of a microorganism belonging to the genus Streptomyces and capable of producing nanaomycin E, especially Streptomyces rosa variant notoensis (FERM-P 2209; ATCC 31135) and recovering the same from the fermented liquor.

US: 260/345.2 435/119 435/125 435/886 549/383



Publication number	Publication date	Application number	Application date
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GB2015525 B2	19820519	GB19790007886	19790306
JP1249186 C3	19850125	JP19780025041	19780307
JP54119468 A2	19790917	JP19780025041	19780307
JP59024995 B4	19840613	JP19780025041	19780307
US4296040 A	19811020	US19790097001	19791123
US4353986 A	19821012	US19810276432	19810622

JP19780025041 19780307 US19790017314 19790305 US19790097001 19791123

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Assignee(s): KYOWA HATSUKO KOGYO KK ; KITAZATO KENKYUSHO ; KYOWA HAKKO KOGYO KABUSHIKI KAISHA

Inventor(s): (std): ISHII SHINZO ; ISHII SHINZOU ; KASAI MASAJI ; MINEURA KAZUYUKI ; OMURA SATOSHI ; OOMURA SATOSHI ; SHIRAHATA KIMIKATSU ; SHIRAHATA KUNIKATSU ; TAKAHASHI ITARU ; TAKAHASHI SHIYUU ; TANAKA HARUO

Inventor(s): TAKAHASHI SHU

Title: ANTIBIOTIC A 40926 N-ACYLAMINOGLUCURONYL AGLYCONS AND ANTIOBIOTIC A 40926 AGLYCON

Abstract: Source: US4868171A The present invention concerns new antibiotic substances denominated antibiotic A 40926 N-acylaminoglucuronyl aglycon complex AB, antibiotic A 40926 N-acylaminoglucuronyl aglycon factor A, antibiotic A 40926 N-acylaminoglucuronyl aglycon factor B, antibiotic A 40926 N-acylaminoglucuronyl aglycon factor B0, antibiotic A 40926 N-acylaminoglucuronyl aglycon factor B1, antibiotic A 40926 aglycon and the addition salts thereof, a process for their preparation starting from antibiotic A 40926 complex or a factor thereof, and their use in the treatment of infectious diseases involving microorganisms susceptible to them.

Classifications:

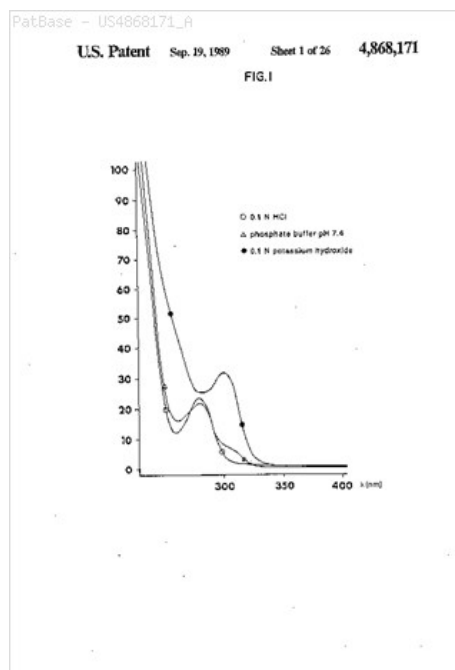
International (IPC 8-9): A61K35/74 A61K38/00 A61P31/04 C07K1/113 C07K1/20 C07K1/22 C07K14/195 C07K14/41 C07K7/06 C07K7/64 C07K9/00 C12P21/02 (Advanced/Invention); A61K38/00 C07K14/195 C07K14/41 C12P21/02 C12R1/03 (Advanced/Non-invention); A61K35/66 A61K38/00 A61P31/00 C07K1/00 C07K14/195 C07K14/41 C07K7/00 C07K9/00 C12P21/02 (Core/Invention)

International (IPC 1-7): A23K1/17 A61K31/395 A61K31/70 A61K31/71 A61K35/70 A61K35/74 A61K37/02 A61K38/08 C07D498/00 C07D498/18 C07D498/22 C07G11/00 C07H17/00 C07H17/08 C07K1/00 C07K14/36 C07K15/04 C07K7/00 C07K7/06 C07K7/64 C07K9/00 C07K99/00 C12P1/06 C12P17/14 C12P17/16 C12P17/18 C12P21/02 C12R1/03

CPC: Y10S930/19 Y10S930/27 C07K9/008

European: C07K9/00F2

US: 424/118 424/119 514/183 540/456 930/190 930/200 930/270 930/DIG.510 930/DIG.801



Family:

Publication number	Publication date	Application number	Application date
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DE3682767 D1	19920116	DE19863682767	19861215
DK167770 B1	19931213	DK19860006172	19861219
DK617286 A	19871012	DK19860006172	19861219
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Priority:

GB19860008809 19860411 EP19860117452 19861215

Probable Assignee: GRUPPO LEPETIT SPA

Assignee(s): (std): LEPETIT SPA

Assignee(s): GRUPPO LEPETIT SPA ; GRUPPO LEPETIT S P A ; GRUPPO LEPETIT S P A MAILAND MILANO IT ; GRUPPO LEPETIT SPA IT ; ENRICO SELVA ; ERNEST RIVA ; FRANCESCO PARENTI ; GIOVANNI CAMAGGI ; GRUPPO LEPETIT IT SPA

Inventor(s): (std): AL FRANCISCO PARENTI ET ; CASSANI GIOVANNI ; CASSANI GOIVANNI ; ENRICO SELVA ; ENRIKO SERUBA ; ERNEST RIVA ; ERUNESUTO RIBA ; FRANCESCO PARENTI ; JIOWANI KASANI ; JIYOBANNI KATSUSAANI ; LIWA ERNISTO ;

PARENTE FRANCESCO ; PARENTI FRANCESCO ; FURANCHIESUKO PARENTEI ; GIOVANNI CASSANI ; RIVA ERNEST ; RIVA ERNESTO ; SERWA ENLICO ; SELVA ENRICO

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Agent(s): PHILLIPS ORMONDE FITZPATRICK; LUZZATTO AND LUZZATTO

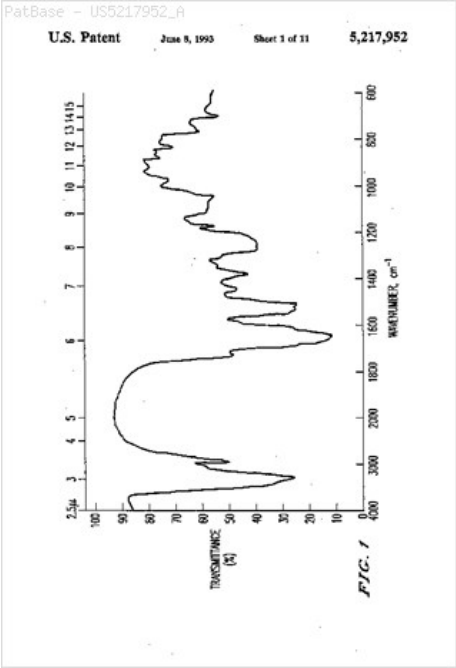
Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Title: PEPTIDES WS-9326A AND WS-9326B, DERIVATIVES THEREOF AND USES THEREOF

Abstract: Source: US5217952A This invention relates to the novel peptides WS-9326A, WS-9326B, their derivatives and pharmaceutically acceptable salts thereof which have pharmacological activities, particularly in the treatment and/or prevention of asthma and/or pain.

Classifications:

International (IPC 8-9): A61K35/74 A61K38/00 A61K38/08 A61K38/12 A61P11/08 A61P25/04 C07G11/00 C07G99/00 C07K1/02 C07K1/06 C07K1/113 C07K1/20 C07K14/195 C07K14/41 C07K5/12 C07K7/06 C07K7/52 C12N1/20 C12P1/06 C12P21/02 C12P21/04 (Advanced/Invention); A61K38/00 A61K38/08 A61K38/12 C07K14/195 C07K14/41 C12N1/20 C12P21/02 C12R1/465 (Advanced/Non-invention); A61K35/66 A61K38/00 A61K38/08 A61K38/12 A61P11/00 A61P25/00 C07G99/00 C07K1/00 C07K14/195 C07K14/41 C07K5/00 C07K7/00 C12N1/20 C12P1/06 C12P21/02 (Core/Invention); A61K38/00 (Core/Non-invention)
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CPC: Y10S514/826 C07K7/06 A61K38/00 C12P1/06 C12R1/465
European: C07K7/06 C12P1/06 C12R1/465 K61K38/00 M07K209/00
US: 435/253.5 435/71.2 435/71.3 514/11 514/16 514/18.3 514/21.1 514/826 514/9 530/317 530/323 530/329



Family:

Publication number	Publication date	Application number	Application date
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HU49631 A2	19891030	HU19890001645	19890405
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Priority:

GB19880002229 19880202	GB19880007921 19880405	EP19890105225 19890323
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US19910794698 19911120	CA19890595640 19890404	US19890417470 19891005

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Agent(s): DAVIES COLLISON CAVE; OGILVY RENAULT LLP SENCRL SRL; SWABEY OGILVY RENAULT; REINHOLD COHN AND PARTNERS

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Title: Transgenic maize with increased mannitol content

Abstract: Source: US2001029618A The present invention provides a method for conferring tolerance or resistance to water or salt stress in a monocot plant, and/or altering the osmoprotectant content of a monocot plant, by introducing a preselected DNA segment into the plant. This invention also relates to the transformed cells and seeds, and to the fertile plants grown from the transformed cells and to their pollen.

Classifications:

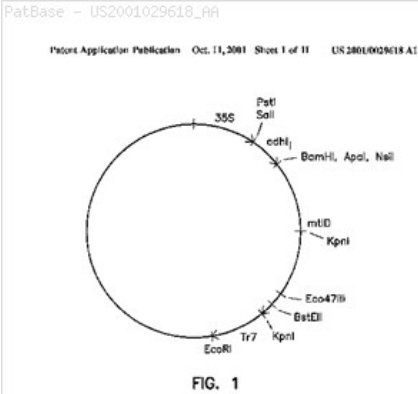
International (IPC 8-9): A01H1/00 A01H4/00 A01H5/00 A01H5/10 C07H21/04 C07K14/41 C07K14/415 C12N1/20 C12N15/05 C12N15/09 C12N15/11 C12N15/29 C12N15/52 C12N15/53 C12N15/60 C12N15/64 C12N15/66 C12N15/82 C12N15/87 C12N5/00 C12N5/04 C12N5/10 C12N9/04 C12N9/88 (Advanced/Invention); A01H1/00 A01H5/00 C12N15/09 C12N15/29 C12N15/53 C12N15/60 C12N5/10 C12P13/22 C12P7/64 C12R1/91 (Advanced/Non-invention); C07K14/41 C12N15/82 C12N5/10 (Core/Invention)

International (IPC 1-7): A01H1/00 A01H1/06 A01H4/00 A01H5/00 A01H5/10 A01N31/02 C07H21/04 C12N1/14 C12N1/20 C12N13/00 C12N15/00 C12N15/05 C12N15/09 C12N15/11 C12N15/29 C12N15/52 C12N15/53 C12N15/60 C12N15/64 C12N15/82 C12N15/87 C12N5/00 C12N5/00 C12N5/04 C12N5/10 C12N9/04 C12N9/10 C12N9/88 C12P13/22

CPC: C12N15/8216 C12N15/8251 C12N15/8254 Y10S47/01 A01H4/008 A01H4/00 A01H4/001 C07K14/415 C12N5/0025 C12N5/04 C12N15/8207 C12N15/87 C12N9/0006 C12N9/88 C12N15/8209 C12N15/8241 C12N15/8245 C12N15/8273

European: A01H4/00 A01H4/00B A01H4/00E C07K14/415 C12N15/82A6D C12N15/82A8 C12N15/82B C12N15/82C C12N15/82C4B10 C12N15/82C4B10B C12N15/82C4B2 C12N15/82C8B2 C12N15/87 C12N5/00M1 C12N5/04 C12N9/00P2 C12N9/88 M07K207/00 M12N207/00 M12N209/00

US: 435/108 435/108S 435/172.1 435/172.3 435/183 435/189 435/193 435/193P 435/232 435/240.4 435/240.45 435/240.5 435/252.3 435/287 435/320.1 435/320.100S 435/410 435/412 435/412S 435/413 435/419 435/419S 435/424 435/468 435/468S 47/58 47/DIG.1 536/23.2 536/23.200S 536/23.6 536/23.7 536/24.1 536/27.1 800/205 800/235 800/250 800/260 800/265 800/266 800/267 800/268 800/275 800/278 800/278P 800/279 800/279S 800/281 800/284 800/287 800/288 800/291 800/292 800/293 800/295 800/298 800/300 800/300.1 800/301 800/302 800/303 800/312 800/312S 800/320 800/320.1 800/320.100S 800/320.2 800/320.200S 800/320.3 800/320.300S 800/320S 800/DIG.52 800/DIG.55 800/DIG.56 800/DIG.58 935/52 935/55 935/67 935/85



Family:

Publication number	Publication date	Application number	Application date
AR005664 AA	19990714	AR1997P100213	19970120
AR005665 AA	19990714	AR1997P100214	19970120
AR011462 AB	20000816	AR1998P101552	19980406
AR059315 AB	20080326	AR2007P100465	20070205
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BRPI9707055 A	19990720	BR1997PI07055	19970117
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US2002061570 AA	20020523	US20000733300	20001208
US2003126634 AA	20030703	US20020171498	20020613
US2003167514 AA	20030904	US20030353726	20030129
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US7288403 BB	20071030	US20050196176	20050803
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Priority:

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Probable Assignee: MONSANTO TECHNOLOGY LLC

Assignee(s): (std): CHOMET PAUL S ; DAINES RICHARD J ; DEKALB GENETICS CORP ; DEKALB PLANT GENETICS ; GORDON KAMM WILLIAM ; DEKALB GENETIC CORP ; DEKALB PLANT GENETICS US ; ADAMS THOMAS R ; ANDERSON PAUL C ; DEKALB GENETICS CORP DEKALB ; DEKALAB GENETICS CORP ; GRIFFOR MATTHEW C ; KRIZ ALAN L ; KAUSCH ALBERT P ; MANN MICHAEL T ; ORR PETER M ; WARNER DAVID C

Assignee(s): MONSANTO TECHNOLOGY LLC ; LEMAUX PEGGY G ; KRUEGER ROGER W ; RICE THOMAS B ; SPENCER T MICHAEL ; MANGANO MARY L ; WILLETTS NANCY ; MACKEY CATHERINE J ; START WILLIAM G ; O BRIEN JAMES V ; STEPHENS MICHAEL A ; OROZCO EMIL M JR ; DEKALB GENETICS CORP DEKALB ILL US ; GORDON KAMM WILLIAM J ; CHAMBERS SHERYL A ; ADAMS WHITNEY R JR ; DEKALB GENETICS COPORATION ; DEKALB GENETICS DEKALB ILLINOIS CORP

Inventor(s): (std): PAUL C ANDERSON ; PAUL S CHOMET ; PEGGY G LEMAUX ; PETER M ORR ; RICE THOMAS ; RICHARD J DAINES ; ROGER W KRUEGER ; SHERYL A CHAMBERS ; SPENCER T ; T MICHAEL SPENCER ; THOMAS B RICE ; THOMAS R ADAMS ; THOMAS R DAMS ; WHITNEY R ADAMS JR ; WILLETTS NANCY US ; WILLIAM G START ; WILLIAM GORDON KAMM ; WILLIAM J GORDON KAMM ; WILLIAM J GORDON KAMME ; O BRIEN JAMES ; KRUEGER ROGER ; CHAMBERS SHERYL ; ZACHWIEJA SUSAN J ; WILLETTS NANCY G ; WILLETTS NANCY ; WARNER DAVID C ; WALTERS DONALD S ; WALTERS DAVID A ; VETSCH CLAYTON S ; STEPHENS MICHAEL A ; START WILLIAM G ; SPENCER T MICHAEL ; SPENCER MICHAEL T ; RICE THOMAS B ; ORR PETER M ; ORR PETER ; OROZCO EMIL M JR ; OROZCO EMIL M J R ; OROZCO EMIL M ; O BRIEN JAMES V ; O BRIAN JAMES V ; MUMM RITA HOGAN ; MANN MICHAEL T ; MANGANO MAY L ; MANGANO MARY LOU ; MANGANO MARY L ; MACKEY CATHERINE J ; LEMAUX PEGGY G ; LACCETTI LUCILLE B ; KRUEGER ROGER W ; KRIZ ALAN L ; KAUSCH ALBERT P ; ALAN L KRIZ ; ALBERT P KAUSCH ; CATHERINE J MACKEY ; DAVID C WARNER ; EMIL M J R OROZCO ; EMIL M OROZCO JR ; GRIFFORD MATTHEW C ; GRIFFOR MATTHEW C ; GORDON KAMM WILLIAM J ; GORDON KAMM WILLIAM ; GLASSMAN KIMBERLY ; FLICK CHRISTOPHER E ; DAINES RICHARD J ; CHOMET PAUL S ; CHAMBERS SHERYL A ; ANDERSON PAUL C ; ADAMS WHITNEY R JR ; ADAMS WHITNEY R ; ADAMS THOMAS R ; MARY L MANGANO ; MATTHEW C GRIFFOR ; MICHAEL A STEPHENS ; MICHAEL T MANN ; NANCY WILLETTS ; JAMES V O BRIEN ; JRADAMS WHITNEY R ; START WILLIAM ; MANGANO MARY ; MACKEY KATHERINE J ; MACKEY CATHERINE ; LEMAUX PEGGY ; KAUSCH ALBERT ; DAINES RICHARD ; ADAMS WHITNEY ; ADAMS THOMAS ; GRIFFOR NETTHEW C ; ADAMS WHITNEY RJR ; GORDON KAMME WILLIAM J ; DAMS THOMAS R

Inventor(s): O BRIAN JAMES V US ; NETTHEW C GRIFFOR ; O BRIEN JAMES V MYSTIC CT 06355 US ; KRIZ ALAN ; O'BRIEN JAMES V ; WILLETTS NANCY NIAN TIC 06357 US ; GRIFFOR MATTHEW ; EMIL M OROZCO ; CHOMET PAUL ; ANDERSON PAUL ; JR ADAMS WHITNEY R

Agent(s): DAVIES COLLISON CAVE; PHILLIPS ORMONDE FITZPATRICK; BERESKIN AND PARR LLP SENCRL SRL; GOWLING LAFLEUR HENDERSON LLP; HELBING JOERG; MONSANTO COMPANY; MONSANTO CO; SONNENSCH EINH NATH AND ROSENTHAL LLP; BYRON V

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SU SZ TD TG TJ TM TR TT UA UG US UZ VN

Title: Spider silk protein

Abstract: Source: US5728810A The present invention is directed to isolated cDNA which codes for spider silk protein or a fragment or variant thereof, a replicable vector containing cDNA which codes for spider silk protein and which is capable of expressing spider silk protein, a transformed cell or microorganism containing cDNA which codes for spider silk protein or a fragment thereof which is capable of expressing spider silk protein and products, such as fibers, which may be manufactured utilizing the recombinant protein of the present invention.

Classifications:

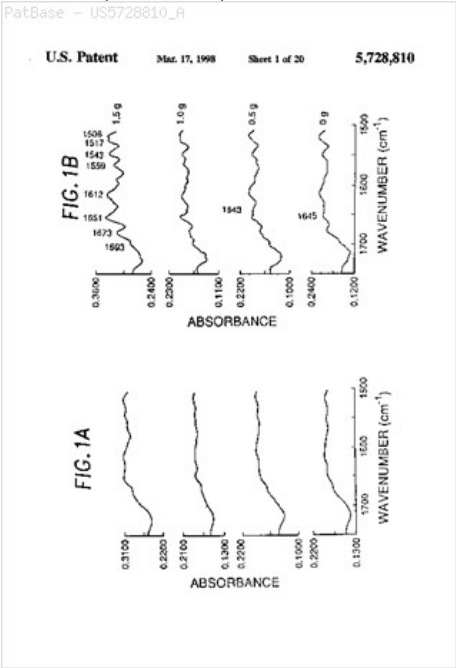
International (IPC 8-9): C07K14/00 C07K14/195 C07K14/435 C12N1/21 C12N15/09 C12N15/12 C12P21/02 (Advanced/Invention); C12R1/19 (Advanced/Non-Invention); C07K14/00 C07K14/195 C07K14/435 C12N1/21 C12N15/09 C12N15/12 C12P21/02 (Core/Invention)

International (IPC 1-7): A61K38/17 C07H21/04 C07K13/00 C07K14/435 C07K15/08 C12N1/21 C12N15/09 C12N15/12 C12N15/63 C12P21/02 C12R1/19

CPC: C07K14/43518 C07K14/195 C07K2319/00 C07K2319/24 C07K2319/50

European: C07K14/195 C07K14/435A2A M07K207/00 M07K319/00 M07K319/24 M07K319/50

US: 435/252.3 435/252.33 435/320.1 530/350 530/353 536/23.5



Family:

Publication number	Publication date	Application number	Application date
AT189699 E	20000215	AT19910106217T	19910418
DE69131969 D1	20000316	DE19916031969	19910418
DE69131969 T2	20000615	DE19916031969T	19910418
EP0452925 A2	19911023	EP19910106217	19910418
EP0452925 A3	19920729	EP19910106217	19910418
EP0452925 B1	20000209	EP19910106217	19910418
JP2852822 B2	19990203	JP19910115647	19910418
JP6098771 A2	19940412	JP19910115647	19910418
US5728810 A	19980317	US19950425069	19950419
US5989894 A	19991123	US19940317844	19941004

Priority:

US19900511792 19900420 US19910684819 19910415 US19940317844 19941004
US19950425069 19950419

Probable Assignee: UNIV WYOMING

Assignee(s): (std): UNI WAIOMINGU ; UNIV WAIOMINGU ; UNIV WYOMING ; UNIV WYOMING LARAMIE

Assignee(s): YUNIBAASHITEI OBU WAIOMINGU ; UNIVERSITY OF WYOMING ; OF WYOMING UNIV ; THE UNIVERSITY OF WYOMING ; THE UNIVERSITY OF WYOMING LARAMIE

Inventor(s): (std): HINMAN MICHAEL B ; LEWIS RANDOLPH V ; MAIKERU BII HINMAN ; MIN KUU ; RANDORUFU BUI RUISU ; XU MING ; XU MING DEPT MEDICAL PHYSIOLOG ; HINMAN MICHAEL

Inventor(s): XU MING DEPT MEDICAL PHYSIOLOGY BIOCHEMISTRY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Title: N-ARYLHETEROARYLALKYL IMIDAZOL-2-ONE COMPOUNDS FOR TREATMENT OF CIRCULATORY DISORDERS

Abstract: Source: US5164403A A class of N-arylheteroarylalkyl imidazol-2-one compounds is described for use in treatment of circulatory disorders such as hypertension and congestive heart failure. Compounds of particular interest are angiotensin II antagonists of the formula wherein A is selected from wherein m is one; wherein R1 is selected from methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, isobutyl, tert-butyl, 4-methylbutyl, n-pentyl, neopentyl, phenyl, benzyl, phenethyl, cyclohexyl, cyclohexylmethyl, cyclohexylethyl, cyclohexanoyl, 1-oxo-2-cyclohexylethyl, benzoyl, 1-oxo-2-phenethyl, 1-oxopropyl, 1-oxobutyl, 1-oxopentyl and 2-hydroxybutyl; wherein R0 is selected from hydrido, methyl, fluoro, chloro, monofluoromethyl, difluoromethyl, trifluoromethyl, formyl, carboxyl and dimethoxymethyl; wherein R2 is selected from methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, isobutyl, tert-butyl, n-pentyl, isopentyl, neopentyl, phenyl, benzyl, phenethyl, cyclohexyl, cyclohexylmethyl, propylthio, butylthio, and hydroxyalkyl; wherein each of R3, R4, R6, R7, R8, R9, R10 and R11 is hydrido and R5 must be selected from COOH, SH, PO3H2, SO3H, CONHNH2, CONHNHSO2CF3, OH, NNNHR42 and +RE wherein each of R42 and R43 is independently selected from chloro, cyano, nitro, trifluoromethyl, methoxycarbonyl and trifluoromethylsulfonyl; or a tautomer thereof or a pharmaceutically-acceptable salt thereof.

Classifications:

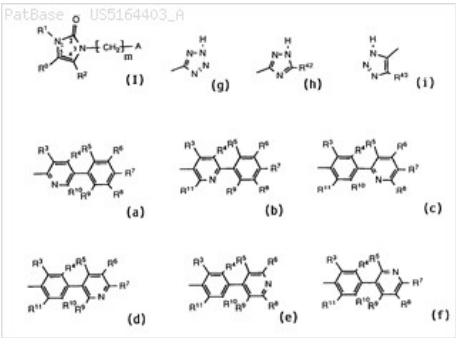
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International (IPC 1-7): A01N43/30 A01N43/40 A61K31/411 A61K31/415 A61K31/44 A61K31/445 A61K31/505 A61K31/535 A61K31/675 C07D401/00 C07D401/06 C07D401/06 C07D401/10 C07D401/14 C07D409/14 C07D413/00 C07D413/14 C07D417/04 C07F9/547

CPC: C07D401/06 A61K31/4439 C07D401/10 C07D401/14

European: A61K31/4439 C07D401/06 C07D401/10 C07D401/14

US: 514/235.8 514/318 514/326 514/337 514/338 514/340 514/341 514/345 514/346 514/350 514/351 546/270.1 546/270.4 546/271.1 546/271.7 546/272.1 546/272.4 546/274.4



Family:

Publication number	Publication date	Application number	Application date
AT180779 E	19990615	AT19920911354T	19920401
AU199219278 A1	19921102	AU19920019278	19920401
CA2104794 AA	19930824	CA19922104794	19920401
DE69229341 D1	19990708	DE19926029341	19920401
DE69229341 T2	19991014	DE19926029341T	19920401
DK0579766 T3	19990623	DK19920911354T	19920401
EP0508393 A1	19921014	EP19920106050	19920406
EP0508393 B1	19990602	EP19920106050	19920406
EP0579766 A1	19940126	EP19920911354	19920401
EP0579766 B1	19990602	EP19920911354	19920401
ES2133142 T3	19990901	ES19920911354T	19920401
GR3030892 T3	19991130	GR19990401973T	19990730
IE921079 A1	19921007	IE19920001079	19920403
IE921095 A1	19921007	IE19920001095	19920406
US5164403 A	19921117	US19910681011	19910405
US5441970 A	19950815	US19930107742	19930819
US5451592 A	19950919	US19920960603	19921013
US5643906 A	19970701	US19930086959	19930701
US5861420 A	19990119	US19970784223	19970116
US6492397 BA	20021210	US20000616639	20000726
WO9217469 A2	19921015	WO1992US02439	19920401
WO9217469 A3	19921112	WO1992US02439	19920401

Priority:

US19910681011 19910405	WO1992US02439 19920401	US19920894032 19920604
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US19970784223 19970116	US19950460362 19950602	

Probable Assignee: PHARMACIA CORP

Assignee(s): (std): G D SEARLE AND CO ; C D SEARLE AND CO ; PHARMACIA CORP ; SEARLE AND CO

Assignee(s): REITZ DAVID B ; G D SEARLE AND CO CHICAGO ILL US ; GD SEARLE AND CO ; GD SEARLE AND CO PO BOX 5110 CHICAGO IL 60680 A DE ; MANNING ROBERT E

Inventor(s): (std): ROBERT E MANNING ; DAVID B REITZ ; REITZ DAVID B ; MANNING ROBERT E ; REITZ DAVID ; MANNING ROBERT

Agent(s): OSLER HOSKIN AND HARCOURT LLP

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IT JP KP KR LI LK LU MC MG ML MN MR MW NL NO PL PT RO RU SD SE SN TD TG US

Title: ANTITHROMBOTIC AGENTS

Abstract: Source: US5885967A This invention relates to peptide derivatives, pharmaceutical formulations containing those compound and methods of their use as thrombin inhibitors.

Classifications:

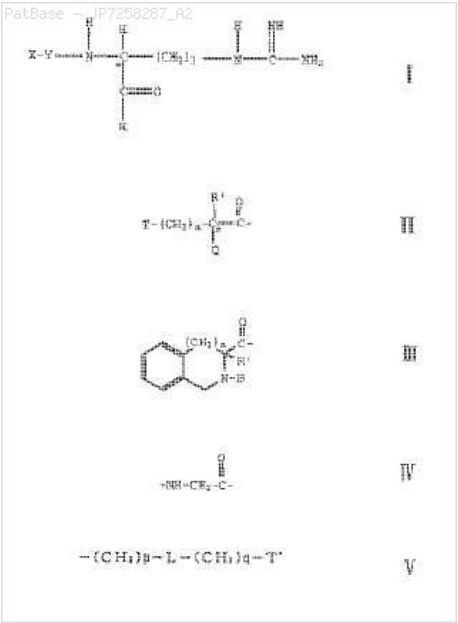
International (IPC 8-9): A61K31/395 A61K31/445 A61K38/05 A61K38/55 A61P7/02 C07C279/12 C07C311/03 C07D207/16 C07D211/60 C07D401/02 C07D403/02 C07D405/02 C07D409/02 C07D413/02 C07D417/02 C07K5/06 C07K5/065 C07K5/068 C07K5/078 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); A61K31/445 A61K38/55 A61P7/00 C07C279/00 C07C311/00 C07D207/00 C07D211/00 C07K5/00 (Core/Invention); A61K38/00 (Core/Non-invention)

International (IPC 1-7): A01N43/00 A01N43/42 A61K31/395 A61K31/40 A61K31/445 A61K31/55 A61K38/00 A61K38/05 A61K38/55 A61K43/38 C07C279/12 C07C311/03 C07D207/08 C07D207/16 C07D211/30 C07D211/32 C07D211/60 C07D211/72 C07D215/38 C07D321/00 C07D401/02 C07D403/02 C07D405/02 C07D409/02 C07D413/02 C07D417/02 C07K5/00 C07K5/06 C07K5/068 C07K5/078

CPC: C07K5/0804 C07K5/0812 C07K5/0823 C07K5/06139 A61K38/00 C07D207/16 C07D211/60 C07K5/06078 C07K5/06165

European: K61K38/00

US: 514/13.7 514/183 514/19 514/20.1 514/20.3 514/21.91 514/210 514/213 514/213.01 514/217.01 514/222.2 514/227.8 514/228.8 514/247 514/248 514/252.1 514/277 514/299 514/307 514/311 514/313 514/314 514/318 514/323 514/326 514/329 514/330 514/331 514/336 514/365 514/366 514/374 514/375 514/385 514/393 514/408 514/412 514/414 514/415 514/419 514/422 514/423 514/426 514/430 514/449 514/613 514/617 514/618 514/631 530/332 540/593 540/594 544/224 544/233 544/56 544/63 544/73 546/152 546/164 546/171 546/174 546/175 546/192 546/225 546/226 546/231 546/245 546/268.1 546/295 546/492 548/146 548/148 548/215 548/217 548/400 548/416 548/452 548/467 548/469 548/483 548/484 548/486 548/492 548/517 548/535 548/567 564/161 564/162 564/163 564/164 564/189 564/191



Family:

Publication number	Publication date	Application number	Application date
AT175404 E	19990115	AT19950301390T	19950303
CA2143536 AA	19950905	CA19952143536	19950228
DE69507062 D1	19990218	DE19956007062	19950303
DE69507062 T2	19990610	DE19956007062T	19950303
DK0672659 T3	19990517	DK19950301390T	19950303
EP0672659 A1	19950920	EP19950301390	19950303
EP0672659 B1	19990107	EP19950301390	19950303
ES2126211 T3	19990316	ES19950301390T	19950303
GR3029389 T3	19990528	GR19990400473T	19990212
JP7258287 A2	19951009	JP19950043903	19950303
SI0672659 T1	19990430	SI19950030209T	19950303
US5885967 A	19990323	US19940206351	19940304
US6090787 A	20000718	US19990267476	19990311
US6124277 A	20000926	US19990266295	19990311

Priority:

US19940206351 19940304 CA19952143536 19950228 US19990266295 19990311
US19990267476 19990311 EP19950301390 19950303

Probable Assignee: LILLY CO ELI

Assignee(s): (std): LILLY CO ELI

Assignee(s): SCHACHT AARON L ; SMITH GERALD F ; WILEY MICHAEL R ; ELI LILLY AND CO ; ELI LILLY AND CO INDIANAPOLIS IND US ; ELI LILLY AND COMPANY

Inventor(s): (std): SCHACHT AARON LEIGH ; SMITH GERALD FLOYD ; WILEY MICHAEL ROBERT ; WILEY MICHAEL R ; SMITH GERALD F ; SCHACHT AARON L ; MAIKERU ROBAATO UIRII ; JIERARUDO FUROIDO SUMISU ; AARON RAI SHIYAHATO

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Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

Title: Monoamine diamide thiol-containing metal chelating agents

Abstract: The invention relates to radiopharmaceuticals and methods of making and using such radiopharmaceuticals. The invention particularly relates to reagents and method for targeting radiopharmaceuticals for sites within a mammalian body for imaging such sites and for effecting a therapeutic effect at such sites, using radiolabeled imaging agents and radiotherapeutic agents, respectively. The invention provides reagents for preparing such radiolabeled radiodiagnostic and radiotherapeutic agents and the radio labeled reagents per se as radiopharmaceuticals. The invention specifically provides such reagents comprising targeting molecules covalently linked to monoamine, diamide, thiol-containing metal chelators. Methods of making such reagents, and methods of using the radiopharmaceuticals produced therefrom are also provided.

Classifications:
International (IPC 8-9): A61K47/48 A61K51/00 A61K51/08 C07C323/24 C07C323/51 C07K1/13 C07K14/00 C07K7/00 C09K3/00 (Advanced/Invention); A61K47/48 C07K1/00 C07K14/00 C07K7/00 (Core/Invention)
International (IPC 1-7): A61K A61K51/00 A61K51/08 C07C323/24 C07C323/51 C09K3/00
CPC: A61K51/082 A61K51/083 A61K51/088 A61K2121/00 A61K2123/00
European: A61K51/08 A61K51/08Z K61K121/00 K61K123/00

Family:

Publication number	Publication date	Application number	Application date	
BRPI9507917 A	19970812	BR1995PI07917	19950601	
CA2191951 AA	19961203	CA19952191951	19950601	
CA2191951 C	20090127	CA19952191951	19950601	
CN1093424 C	20021030	CN19951094356	19950601	
CN1158090 A	19970827	CN19951094356	19950601	
EP0804252 A2	19971105	EP19950922159	19950601	
EP0804252 B1	20030813	EP19950922159	19950601	
JP10501531 T2	19980210	JP19960501181T	19950601	
WO9533497 A1	19951214	WO1995US06914	19950601	
ZA9504548 A	19960315	ZA19950004548	19950602	

Priority:
US19940253973 19940603 WO1995US06914 19950601

Probable Assignee: CIS BIO INT

Assignee(s): (std): DIATECH INC ; DIATIDE INC

Assignee(s): MCBRIDE WILLIAM ; BERLEX LABORATORIES INC ; CIS BIO INT ; DEAN RICHARD T

Inventor(s): (std): DEAN R T ; DEAN RICHARD T ; MCBRIDE W ; MCBRIDE WILLIAM

Inventor(s): R T DEAN ; RICHARD T DEAN ; W MCBRIDE ; WILLIAM MCBRIDE

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

Designated states: AT AU BE BR CA CH CN DE DK ES FR GB GR IE IT JP KR LI LU MC NL PT SE

Title: Method for producing microporous elements, the microporous elements thus produced and uses thereof

Abstract: Source: US6451260B Described are novel methods for producing microporous elements and microporous elements obtainable by such methods. Provided are also microporous elements including solid microparticles, which preferably modify the adsorptive properties of the microporous element. Described are also microporous elements which are linked to a support and/or a retainer as well as methods for their production. Filter elements comprising the above-described microporous elements are also provided. Furthermore, kits, diagnostic and pharmaceutical compositions comprising the aforementioned microporous or filter elements are described. Furthermore, uses of the aforementioned microporous and filter elements in microfiltration, chromatography, adsorption/immobilization of organic and inorganic compounds as well as for the preparation and/or detection of such compounds are disclosed.

Classifications:

International (IPC 8-9): B01D15/08 B01D29/11 B01D39/16 B01D39/20 B01D61/00 B01D61/14 B01D61/18 B01D63/08 B01D67/00 B01D69/06 B01D69/10 B01D69/14 B01D71/08 B01D71/38 B01J20/00 B01J20/22 B01J20/26 B01J20/28 B01J20/281 B01L3/00 B01L3/02 B27N3/08 B27N3/10 C08J9/28 C12M1/12 C12Q1/68 G01N1/34 G01N15/06 G01N15/08 G01N30/60 G01N33/48 G01N33/543 (Advanced/Invention); B01D15/22 B01D15/32 B01D15/36 B01D15/38 B01D39/16 B01J20/32 B01L3/00 B01L3/02 C08L101/00 G01N1/34 G01N1/40 (Advanced/Non-invention); B01D15/08 B01D29/11 B01D39/16 B01D61/00 B01D61/14 B01D61/18 B01D63/08 B01D67/00 B01D69/00 B01D71/00 B01J20/00 B01J20/22 B01J20/28 B01L3/00 B01L3/02 C08J9/00 C12M1/12 (Core/Invention); C08L101/00 G01N1/34 (Core/Non-invention)

International (IPC 1-7): B01D15/08 B01D29/11 B01D39/16 B01D61/14 B01D61/18 B01D67/00 B01D69/10 B01D71/38 B01J20/00 B01J20/26 B27N3/08 B27N3/10 C08J9/28 C08L101/00 G01N15/06 G01N33/00 G01N33/48

CP: B01D15/22 B01D15/325 B01D15/327 B01D15/361 B01D15/3804 B01D67/0018 B01D2239/0471 B01J20/22 B01J20/281 B01J20/3242 B01J2220/54 B01J2220/64 B01L2300/069 C12Q1/6806 G01N15/0826 G01N30/48 G01N30/6004 G01N30/6052 G01N30/6065 G01N33/54366 G01N2015/084 G01N2015/0866 G01N2500/00 B01D2325/36 B01D2325/38 B01D67/0006 B01D15/08 B01D61/00 B01D61/18 B01D63/081 B01D67/0002 B01D67/0011 B01D69/06 B01D69/10 B01D69/141 B01D71/08 B01D71/38 B01D2323/08 B01D2323/12 B01D2323/30 B01D2325/026 B01J20/26 B01J20/28004 B01J20/28023 B01J20/28026 B01J20/28033 B01J20/28045 B01J20/28052 B01J20/2808 B01L3/0275 B01L3/50255 B01L2200/0689 B01L2200/12 B01L2300/0681 G01N1/405

European: B01D15/08 B01D61/00 B01D61/18 B01D63/08B B01D67/00D B01D67/00K B01D67/00K12 B01D67/00K14B B01D67/00K14H B01D69/06 B01D69/10 B01D69/14B B01D71/08 B01D71/38 B01J20/22 B01J20/26 B01J20/281 B01J20/28B4 B01J20/28D12 B01J20/28D24 B01J20/28D28B B01J20/28D40 B01J20/28D8 B01J20/28F12B B01J20/32F8 B01L3/02E B01L3/50255 C12M1/12C C12Q1/68A4 G01N15/08C1 G01N30/48 G01N30/60 G01N30/60D G01N33/543K L01D15/22 L01D15/32R L01D15/32R2 L01D15/36B L01D15/38A L01D239/04P L01D323/08 L01D323/12 L01D323/30 L01D325/02H L01D325/36 L01D325/38 L01J220/54 L01J220/64 L01L200/06N L01L200/12 L01L300/06D L01L300/06E S01N1/40A2 S01N1/40P S01N15/08F S01N15/08L S01N30/60A S01N30/60D4 S01N500/00

US: 264/239 264/257 422/100 422/283 422/423 422/424 422/68.1

Family:

Publication number	Publication date	Application number	Application date
AU199744557 A1	19980319	AU19970044557	19970826
EP0826412 A2	19980304	EP19960120279	19961217
EP0826412 A3	19990602	EP19960120279	19961217
EP0826413 A1	19980304	EP19960113653	19960826
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Priority:

EP19960113653 19960826 EP19960120279 19961217 EP19970942879 19970826
WO1997EP04653 19970826

Probable Assignee: EHRENFRIED MEHL

Assignee(s): (std): DUESTERHOEFT ANDREAS ; DYAX CORP ; MAX PLANCK GES ; LOTTSPEICH F ; MANZ THOMAS ; LOTTSPEICH FRIEDRICH DR ; MEHL EHRENFRIED ; MAX PLANCK GESELLSCHAFT ; QIAGEN GMBH ; MEHL EHRENFRIED DR

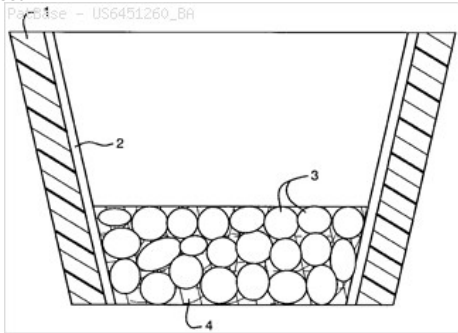
Assignee(s): MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG ; MAX PLANCK GESELLSCHAFT ZUR FORDERUNG DER WISSENSC ; MAX PLANCK GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E V ; MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E V BERLIN ; MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E V ; MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSC ; MAX PLANCK GES ZUR FOERDERUNG DER WISSENSCHAFTEN EV BERLIN ; MAX PLANCK GES ZUR FOERDERUNG DER WISSENSCHAFTEN EV ; MAX PLANCK GES ZUR FORDERUNG DER WISSENSCHAFTEN EV ; MAX PLANCK GES ZUR FOERDERUNG DER WISSENSCHAFTEN E ; MAX PLANCK GES ZUR FOERDERUNG DER WISSENSC ; MAX PLANCK GES ZUR FORDERUND DER WISSENSCHAFTEN EV ; MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENS ; MAX PLANCK GES ZUR FOERDERUNG ; LOTTSPEICH FRIEDRICH ; EHRENFRIED MEHL KATHARINENSTRASSE ; EHRENFRIED MEHL

Inventor(s): (std): DUESTERHOEFT ANDREAS ; LOTTSPEICH FRIEDRICH ; MANZ THOMAS ; MEHL EHRENFRIED ; MEHL EHRENFRIED DR ; LOTTSPEICH FRIEDRICH DR ; DUSTERHOFT ANDREAS

Inventor(s): THOMAS MANZ ; FRIEDRICH LOTTSPEICH ; EHRENFRIED MEHL ; ANDREAS DUSTERHOFT

Agent(s): VOSSIUS AND PARTNER; VALLEJO JUAN PEDRO

Designated states: AT AU BE CA CH CN DE DK ES FI FR GB GR IE IT JP KP KR LI LU MC NL PT SE US



Title: Atropisomers of 3-heteroaryl-4(3H)-quinazolinones for the treatment of neurodegenerative and CNS-trauma related conditions

Abstract: Source: US6380204B The present invention relates to novel atropisomers of 3-heteroaryl-4(3H)-quinazolinones of the formula Ia, and their pharmaceutically acceptable salts, and pharmaceutical compositions and methods of treating neurodegenerative and CNS-trauma related conditions.

Classifications:

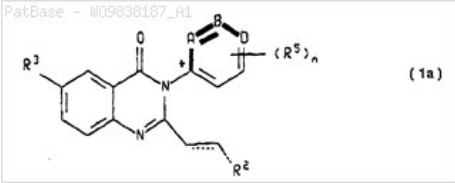
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US: 514/259 514/266.21 544/284 544/290



Family:

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Priority:

US19970038540P 19970228

US19970038540 19970228

WO1998IB00151 19980206

US20000380114 20000113

Probable Assignee: PFIZER

Assignee(s): (std): PFIZER ; PFIZER PRODUCTS INC ; WELCH WILLARD MCKOWAN JR ; PRIZER PRODUCTS INC ; PFIZER PROD INC ; CHENARD BERTRAND LEO ; DEVRIES KEITH MICHAEL ; INC PFIZER PRODUCTS

Assignee(s): KEITH MICHAEL DEVRIES ; PFIZER INC ; PFIZER PRODUCTS INC GROTON CONNECTICUT ; PFIZER PRODUCTS INC GROTON

Inventor(s): (std): BERTRAND LEO CHENARD ; BERTRAND LEO CHENNARD ; CHENARD B L ; CHENARD BERTRAN LEO ; CHENARD BERTRAND ; CHENARD BERTRAND L ; CHENARD BERTRAND LEO ; CHENARD LEO ; DEVRIES K M ; DEVRIES KEITH M ; DEVRIES KEITH MICHAEL ; DEVRIES MICHAEL ; INC PFIZER PRODUCTS ; JR WELCH WILLARD MCKOWAN ; JR WILLARD MCKOWAN WELCH ; KEITH MICHAEL DEVRIES ; MCKOWAN WELCH JR WILLARD ; VRIES KEITH MICHAEL DE ; WELCH JR WILLARD MCKOWAN ; WELCH JUN WILLARD M ; WELCH MCKOWAN ; WELCH W M JR ; WELCH WILLARD MCKOWAN ; WELCH WILLARD MCKOWAN JR ; WELCH WILLARD MCKOWAN JR I ; WELCH WINARD MCKOWAN JR ; WILLARD MC KOWAN WELCH JR ; WILLARD MCKOWAN WELCH JR

Inventor(s): WILLARD MCKOWAN JR WELCH ; WILLARD MCKOWAN WELCH ; WELCH JUN ; W M WELCH JR ; WELCH JR ; PFIZER PRODUCTS INC ; B L CHENARD ; BERTRAN LEO CHENARD ; K M DEVRIES ; KEITH MICHAEL DE VRIES

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

Title: CLEANING ARTICLES COMPRISING A CELLULOSIC FIBROUS STRUCTURE HAVING DISCRETE BASIS WEIGHT REGIONS TREATED WITH A HIGH INTERNAL PHASE INVERSE EMULSION

Abstract: Source: US6133166A Disclosed are articles useful in cleansing, and particularly wet-like cleansing wipes, which are dry until used, where fluid is released from the article. These articles comprise: a. a carrier comprising a cellulosic fibrous structure having at least a first region of relatively high basis weight that comprises an essentially continuous network and a second region of a plurality of mutually discrete regions of relatively low basis weight which are circumscribed by the high basis weight first region; and b. an emulsion applied to the carrier, where the emulsion provides fluid for cleaning when shear forces are applied to the article. The first and second regions of the cellulosic fibrous structure are disposed in a nonrandom, repeating pattern. The articles offer a number of significant advantages over prior cleaning products when in the form of wet-like cleansing wipes such as those used for cleaning of hard surfaces (e.g., floors, countertops, sinks, bathtubs, toilets, and the like). The inclusion of low basis weight regions avoids substantial fluid retention by the cellulosic fibrous substrate, which allows fluid delivery to the surface being cleaned. The articles can be used in many applications requiring the delivery of polar materials, in particular water and water-soluble or dispersible actives. These include toilet tissue, wipes for personal cleansing, such as baby wipes, as well as those for the delivery of water-soluble or dispersible antimicrobials or pharmaceutical actives.

Classifications:

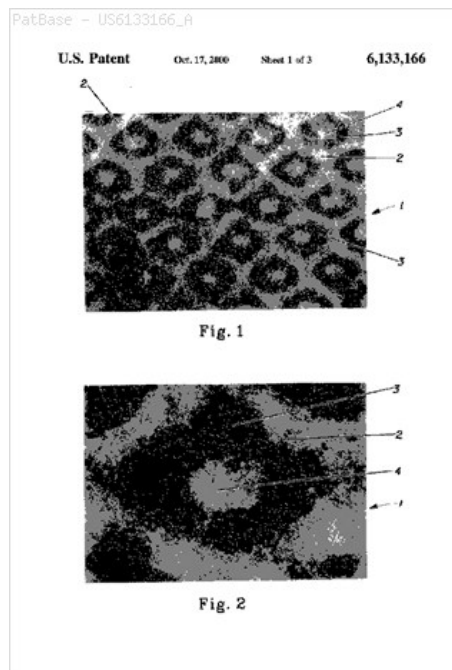
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International (IPC 1-7): A01N25/34 A47L13/16 A47L13/17 A61K7/00 A61K7/50 A61K9/70 B32B9/06 C11D C11D17/04 C11D3/00 C11D3/18 C11D3/39 C11D7/24 D04H01/46 D21H17/27 D21H17/39 D21H19/16

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European: A61K8/02C A61Q19/10 C11D17/04F C11D3/18 C11D3/39H C11D3/48

US: 424/402 428/484 428/484.1 428/486 428/537.5 442/61



Family:

Publication number	Publication date	Application number	Application date
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AU199882776 A1	19990125	AU19980082776	19980701
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US6133166 A	20001017	US19970886764	19970701
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Priority:

US19970886764 19970701 WO1998US13627 19980701

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; THE PROCTOR AND GAMBLE COMPANY ; THE PROCTOR AND GAMBLE CO CINCINNATI OHIO ; PROCTOR AND GAMBLE CO ; BARNHOLTZ STEVEN LEE ; CABELL DAVID WILLIAM ; NISSING NICHOLAS JAMES

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Inventor(s): NICHOLAS JAMES NISSING ; NISSING NICHOLAS JAMES NISSING NICHOLAS JAMES ; STEVEN LEE BARNHOLTZ ; STEVENLEE BARNHOLTZ ; CABELL DAVID WILLIAM CABELL DAVID WILLIAM ; BARNHOLTZ STEVEN LEE BARNHOLTZ STEVEN LEE

Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: EXPANDABLE CARDIAC HARNESS FOR TREATING CONGESTIVE HEART FAILURE

Abstract: Source: US2002019580A A cardiac harness for treating congestive heart failure is disclosed. The harness applies elastic, compressive reinforcement on the left ventricle to reduce deleterious wall tension and to resist shape change of the ventricle during the mechanical cardiac cycle. Rather than imposing a dimension beyond which the heart cannot expand, the harness provides no hard limit over the range of diastolic expansion of the ventricle. Instead, the harness follows the contour of the heart throughout diastole and continuously exerts gentle resistance to stretch. Also disclosed is a method of delivering the cardiac harness to the heart minimally invasively.

Classifications:

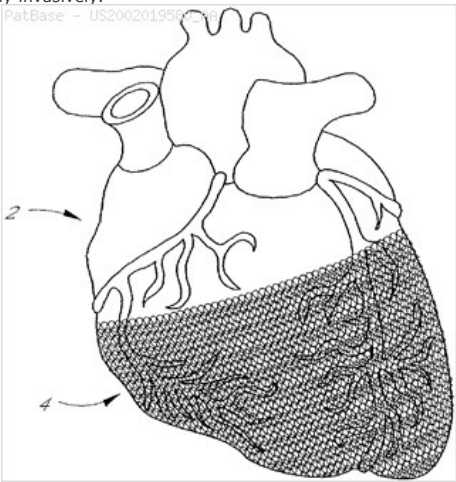
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European: A61F2/24W2 A61M1/10E50B A61N1/05P A61N1/362C C07C233/58 C07C233/87 C07C235/14 C07C271/22 K61F2/00H6 K61F2/24W2B K61M1/10A10 K61M1/10E4A K61M1/10E4B1C K61M1/12C K61M1/12F K61M205/02S K61M205/35E2 K61M205/82B M07C102/44

US: 148/402 148/563 216/75 29/557 600/16 600/16S 600/37 600/37P 607/129 607/129P



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: PARACOR MEDICAL INC

Assignee(s): (std): ARAD DORIT ; BOLLON ARTHUR P ; CYTOCLONAL PHARMACEUTICS INC ; LAU LILIP ; PARACOR MEDICAL INC ; PARACOR SURGICAL INC ; POLAND BRADLEY W ; YOUNG DAVID C ; HARTIGAN BILL

Inventor(s): (std): BOLLON ARTHUR P ; ARAD DORIT ; HARTIGAN BILL ; LAU LILIP ; POLAND BRADLEY W ; YOUNG DAVID C
Inventor(s): LILIP LAU ; ARTHUR P BOLLON ; BILL HARTIGAN ; BRADLEY W POLAND ; DAVID C YOUNG ; DORIT ARAD
Agent(s): FB RICE; KIRBY EADES GALE BAKER; FETHERSTONHAUGH AND CO; FULWIDER PATTON LEE AND UTECHT LLP HOWARD HUGHES CENTER; FULWIDER PATTON LEE AND UTECHT LLP, HOWARD HUGHES CENTER; FULWIDER PATTON LLP
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Abstract: Source: US2003199077A The present invention relates to the use of a subtilase variant for removal of egg stains from laundry or from hard surfaces, where the subtilase variant comprises at least one additional amino **acid** residue in the active site loop (b) region from position 95 to 103 (BASBPN numbering). These subtilase variants are useful exhibiting excellent or improved wash performance on egg stains when used in e.g. cleaning or detergent compositions, including automatic dishwasher compositions. The present invention also relates to novel subtilase variants, to isolated DNA sequences encoding the variants, expression vectors, host cells, and methods for producing and using the variants of the invention. Further, the present invention relates to cleaning and detergent compositions comprising the variants of the invention.

International (IPC 8-9): C11D3/386 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/57 C12N15/63 C12N9/54 C12N9/56 (Advanced/Invention); C12R1/125 (Advanced/Non-invention); C12D3/38 C12N1/15 C12N1/21 C12N15/09 C12N15/57 C12N9/52 (Core/Invention)

International (IPC 1-7): C11D3/386 C11D33/86 C11D7/42 C12N1/15 C12N1/21 C12N15/09 C12N15/57 C12N15/74 C12N9/54 C12N9/56 G06F19/00 G09G5/42

European: C11D3/386E C12N9/54

US: 435/220 435/221 435/222 435/252.3 435/263 435/263P 435/264 435/264S

435/320.1 435/471 435/69.1 510/226 510/226S 510/320 510/320S 510/392 536/23.2



Publication number	Publication date	Application number	Application date
AR026985 AA	20030305	AR2000P106696	20001215
AU200116939 A5	20010625	AU20010016939D	20001201
AU782372 B2	20050721	AU20010016939	20001201
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Assignee(s): NOVOZYMES A S KROGSHOEJVEJ ; FANO TINA SEJERSGAARD ; FANO TINA SEJERSGARD ; FANOE TINA SEJERSGAARD ; MIKKEI SEN FRANK : MIKKEI SEN FRANK F

Inventor(s): (std): SEJERSGAARD FANO TINA ; MIKKELSEN FRANK F ; FANOE TINA SEJERSGAARD ; MIKKELSEN FRANK ; MIKKELSEN F F ; FANO TINA SEJERSGARD ; FANO T S ; FANO TINA SEJERSGAARD ; FF MIKKELSEN ; FRANK F MIKKELSEN ; TINA SEJERSGAARD FANO ; TS FANO

Inventor(s): T S FANO : F F MIKKELSEN

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JENSEN BO HAMMER; TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI; KOGA TETSUJI; AOKI ATSUSHI; FUKUMOTO TSUMORU

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BV BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KP KR KZ LC LI LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MY NF NI NO NZ PT RO RI SD SF SG SI SK SL SN ST TD TG TI TM TR TT TZ UA UG UY VN YU ZA ZW

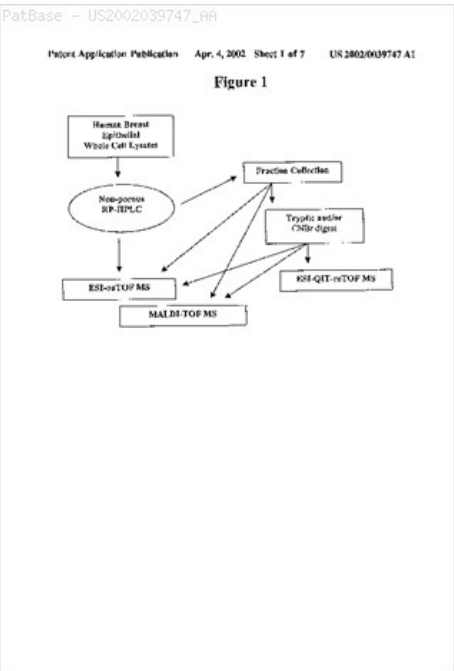
Title: MAPPING OF DIFFERENTIAL DISPLAY OF PROTEINS

Abstract: Source: US2002039747A The present invention relates to protein separation systems and methods capable of resolving and characterizing large numbers of cellular proteins. In particular, the present invention provides a novel mass mapping system and methods for the differential display of proteins. The present invention further provides novel methods for displaying differential protein expression between two samples. In particular, the present invention provides novel method of mapping differential expression of proteins in non-cancerous, pre-cancerous, and cancerous cells.

Classifications:
International (IPC 8-9): B01D15/08 B01J20/281 B01J20/283 C07K1/00 C07K1/04 C07K1/16 C07K1/28 C07K1/36 C07K14/47 C07K17/02 C12M1/34 C12M3/00 C40B30/00 C40B30/04 C40B50/14 C40B50/18 G01N1/28 G01N27/447 G01N27/62 G01N30/02 G01N30/04 G01N30/26 G01N30/34 G01N30/46 G01N30/72 G01N30/74 G01N30/82 G01N30/86 G01N30/88 G01N31/00 G01N33/483 G01N33/53 G01N33/543 G01N33/68 G06F19/00 G06F19/26 (Advanced/Invention); G01N30/02 G01N30/46 G01N30/52 G01N30/72 G01N30/82 G01N30/86 G01N30/88 G06F19/18 (Advanced/Non-invention); C07K1/00 C40B30/00 C40B30/04 C40B50/14 G01N1/28 G01N27/447 G01N33/68 G06F19/00 (Core/Invention); G01N30/00 (Core/Non-invention)
International (IPC 1-7): B01D15/08 B05D3/00 C07K1/00 C07K1/20 C07K14/47 C07K17/02 C12M1/34 G01N1/00 G01N27/26 G01N27/447 G01N27/62 G01N30/04 G01N30/26 G01N30/34 G01N30/48 G01N30/72 G01N30/74 G01N30/88 G01N31/00 G01N33/48 G01N33/483 G01N33/53 G01N33/543 G01N33/561 G01N33/68 G06F19/00 G06T15/00
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US: 204/459 204/459S 204/548 204/548S 204/61 204/610 204/610S 204/644 204/644S 210/656 345/419 345/419P 422/68.1 422/68.100S 422/7 422/70 422/70S 427/2.11 427/2.110S 435/287.2 435/287.200S 435/288.6 435/7.1 435/7.100P 435/7.100S 436/161 436/161S 436/171 436/171S 436/173 436/173S 436/174 436/174P 436/174S 436/178 436/178P 436/178S 436/516 436/516S 436/86 436/86P 506/18 506/18S 506/30 506/30S 506/32 506/32S 506/40 506/40S 506/7 506/7P 506/9 506/9P 530/417 702/19 702/27

Family:

Publication number	Publication date	Application number	Application date	
AT405592 E	20080915	AT20040701793T	20040113	
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AU2001234893 AA	20010820	AU20010234893	20010207	
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CA2603259 AA	20071001	CA20062603259	20060330	
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Priority:

US20000180911P	20000208	US20000239325P	20001010	US20000239326P	20001010
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US20020133711	20020426	US20020133896	20020426	WO2002US13603	20020430
WO2004US00774	20040113	US20040756068	20040113	US20030439625P	20030113
US20050094590	20050330				

Probable Assignee: MICHIGAN THE UNIV OF

Assignee(s):	(std):	ETHIER STEPHEN P ; HANASH SAMIR M ; HINDERER ROBERT ; KACHMAN MAUREEN ; LUBMAN DAVID M ; KACHMAN MAUREEN T ; MISEK DAVID ; NORTH ROBERT ; HORVATH THOMAS ; LAXMAN BHARATHI ; LUBMAN DAVID ; PAL MANOJ ; PARUS STEPHEN ; UNIV MICHIGAN ; WALL DANIEL B ; PARUS STEPHEN J ; YAN FANG ; SREEKUMAR ARUN ; BARDER TIMOTHY ; BARDER TIMOTHY J ; CHINNAIYAN ARUL M ; CHONG BATHSHEBA E ; EICHROM TECHNOLOGIES INC
Assignee(s):		EPROGEN INC ; THE UNIV OF MICHIGAN ; REGENT OF UNIV ; REGENTS OF THE UNIVERSITY OF MICHIGAN ; THE REGENTS OF THE UNIVERSITY OF MICHIGAN ; THE UNIV MICHIGAN ; THE UNIV ; UNIV ; PROMIGEN LIFE SCIENCES LLC ; US GOVERNMENT SECRETARY FOR ARMY ; REGENT OF UNIV OF MICHIGAN ; UNIV OF MICHIGAN ; MICHIGAN THE UNIV ; NATIONAL SCIENCE FOUNDATION ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; MICHIGAN THE UNIV OF ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; OF MICHIGAN UNIV ; MICHIGAN UNIV ; MICHIGAN THE UNIVERSITY
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Inventor(s):		STEPHEN J PARUS ; THOMAS HORVATH ; TIMOTHY J BARDER ; WALL DANIEL ; DAVID MISEK ; ETHIER STEPHEN ; DANIEL B WALL ; ROBERT HINDERER ; ROBERT NORTH ; SAMIR M HANASH ; MAUREEN T KACHMAN ; CHONG BATHSHEBA ; BATHSHEBA E CHONG
Agent(s):		PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SPRUSON AND FERGUSON; SMART AND BIGGAR; SIM AND MCBURNEY; GLAWE DELFS MOLL; SHIMIZU HATSUSHI; HASHIMOTO KAZUNORI; MEDLEN AND CARROLL LLP, SUITE 350; MEDLEN AND CARROLL LLP SUITE 350; CASIMIR JONES SC; MEDLEN AND CARROLL LLP
Designated states:		AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Compositions comprising a polyvalent cation source and a partially digestible lipid and/or a non-digestible lipid

Abstract: Source: GB2364503A Compositions comprising a polyvalent cation source and a partially digestible lipid and/or a non-digestible lipid wherein a single serving, a 100 calorie reference serving or a 30 g reference serving of the composition comprises sufficient cation source to provide at least 50 mg of the polyvalent cation. The polyvalent cation may be a calcium cation and the source of the polyvalent cation may be calcium carbonate or calcium citrate malate. The non-digestible lipid may be a polyol fatty acid polyester such as olestra. The compositions may be in the form of foodstuffs such as cookies, crackers, potato crisps, peanut butter, cheese spreads or dairy beverages. Compositions comprising a polyvalent cation or a source of a polyvalent cation and a non-digestible fat or a source of a non-digestible fat may be used to reduce blood cholesterol, treat heart disease such as hypercholesterolaemia or hypertension or treat complications associated with diabetes.

Classifications:

International (IPC 8-9): A21D13/00 A21D13/08 A21D2/02 A21D2/16 A23C20/00 A23C9/156 A23D9/007 A23L1/164 A23L1/217 A23L1/304 A23L1/308 A23L1/38 A61K31/23 A61K33/06 A61K33/10 A61P9/00 (Advanced/Invention)

International (IPC 1-7): A23L1/304 A23L1/308 A61K31/7024 A61K33/10 A61P9/00

CPC: A21D2/02 A21D2/16 A21D13/0041 A23C9/156 A23C20/00 A23D9/007 A23L1/1641 A23L1/2175 A23L1/3081 A23L1/3088 A23L1/38 A61K31/23 A61K33/06 A61K33/10 A23L1/304

European: A21D13/00D12 A21D13/08 A21D13/08D A21D2/02 A21D2/16 A23C20/00 A23C9/156 A23D9/007 A23L1/164B A23L1/217B A23L1/304 A23L1/308A A23L1/308P A23L1/38 A61K31/23 A61K33/06 A61K33/10

Family:

Publication number	Publication date	Application number	Application date	
GB200111039 A0	20010627	GB20010011039	20010504	
GB2364503 A1	20020130	GB20010011039	20010504	

Priority:

US20000202242P 20000505

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE THE COMPANY ; THE PROCTER AND GAMBLE COMPANY

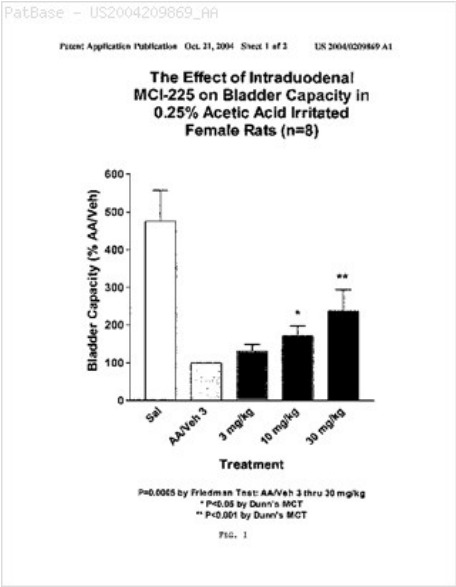
Inventor(s): (std): JANDACEK RONALD JAMES ; PROSISE ROBERT LAWRENCE ; TROUT JAMES EARL

Inventor(s): JAMES EARL TROUT ; ROBERT LAWRENCE PROSISE ; RONALD JAMES JANDACEK

Title: METHOD OF TREATING LOWER URINARY TRACT DISORDERS

Abstract: Source: US2004209869A The invention relates to a method of treating at least one symptom of a lower urinary tract disorder in a subject in need of treatment wherein the symptom is selected from the group consisting of urinary frequency, urinary urgency, urinary urge incontinence, nocturia and enuresis. The method comprises administering to a subject in need of treatment a therapeutically effective amount of a compound that has 5-HT3 receptor antagonist activity and NorAdrenaline Reuptake Inhibitor (NARI) activity. The invention further relates to a method of treating at least one symptom of a lower urinary tract disorder in a subject in need of treatment wherein the symptom is selected from the group consisting of urinary frequency, urinary urgency, urinary urge incontinence, nocturia and enuresis, comprising coadministering to said subject a first amount of a 5-HT3 antagonist and a second amount of a NARI, wherein the first and second amounts together comprise a therapeutically effective amount or are each present in a therapeutically effective amount.

Classifications:
International (IPC 8-9): A01N43/54 A61K31/00 A61K31/13 A61K31/135 A61K31/496 A61K31/519 A61K31/53 A61K31/535 A61K31/551 A61K31/5513 A61K45/06 A61P13/02 A61P13/08 A61P13/10 A61P29/00 A61P43/00 C07D495/04 (Advanced/Invention); A61K31/13 A61K31/53 (Core/Invention)
International (IPC 1-7): A01N43/54 A61K31/135 A61K31/519 A61K31/535 A61K31/551
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European: A61K31/00 A61K31/135 A61K31/519 A61K31/535 A61K31/551 A61K31/5513 A61K45/06
US: 514/218 514/249 514/252.16 514/252.160S 514/260.1 514/260.100S



Family:

Publication number	Publication date	Application number	Application date
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JP2006522144 T2	20060928	JP20060509595T	20040402
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Priority:

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Probable Assignee: EDUSA PHARMACEUTICALS INC

Assignee(s): (std): DYNOGEN INC ; DYNOGEN PHARMACEUTICALS INC ; FRASER MATTHEW O ; LANDAU STEVEN B ; MILLER CHERYL L

Assignee(s): ARACHNOVA THERAPEUTICS LTD ; EDUSA PHARMACEUTICALS INC

Inventor(s): (std): FRASER MATHEW O ; FRASER MATTHEW ; FRASER MATTHEW O ; LANDAU STEVEN ; LANDAU STEVEN B ; MILLER CHERYL ; MILLER CHERYL L

Inventor(s): STEVEN B LANDAU ; CHERYL L MILLER ; MATTHEW O FRASER

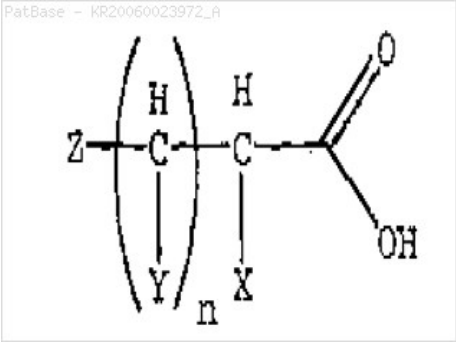
Agent(s): DAVIES COLLISON CAVE; BORDEN LADNER GERVAIS LLP; SNODIN MICHAEL D ET AL; JONES DAY; HAMILTON BROOK SMITH AND REYNOLDS PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: FOAMABLE PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATING A DISORDER

Abstract: Source: US2004241099A Novel compositions of matter comprising a foamable delivery system are provided. Novel methods for treating a disease, disorder, or condition using the novel compositions are further provided. Novel methods for making and delivering a foamable pharmaceutical composition are also provided. While the novel compositions and foamable drug delivery system may be utilized for administration of a wide variety of drugs to epithelial tissues, to treat a wide variety of diseases, disorders, or conditions, the inventive compositions and foamable drug delivery systems are particularly useful for the dermatological administration of corticosteroids and antifungal agents.

Classifications:
International (IPC 8-9): A61K31/19 A61K31/415 A61K31/4418 A61K31/57 A61K31/573 A61K47/02 A61K47/08 A61K47/10 A61K47/12 A61K47/14 A61K47/30 A61K47/34 A61K7/00 A61K7/48 A61K9/00 A61K9/12 A61M11/00 (Advanced/Invention); A61K31/19 A61K31/415 A61K31/57 A61K9/12 A61P17/00 (Advanced/Non-invention); A61K31/185 A61K31/415 A61K31/57 A61K47/02 A61K47/08 A61K47/10 A61K47/12 A61K47/14 A61K47/30 A61K47/32 A61K47/34 A61K9/00 A61K9/12 A61M11/00 (Core/Invention); A61K A61M (Subclass/Invention)
International (IPC 1-7): A61K A61K31/415 A61K31/57 A61K9/00 A61K9/12 A61L9/04 A61M11/00
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European: A61K47/02 A61K47/10 A61K47/12 A61K9/12B
US: 424/401 424/45 424/47 424/47P 424/78.03 424/78.06 514/861 514/863



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Priority:
US20030445487 20030528 WO2004US16733 20040527 US20060595864 20061113

Probable Assignee: STIEFEL LABORATORIES

Assignee(s): (std): POPP KARL F ; STIEFEL LABORATORIES ; STIEFEL LABORATORIES INC ; YUHAS EDWARD R

Assignee(s): CONNETICS CORP ; DEUTSCHE BANK TRUST CO ; DEUTSCHE BANK TRUST CO AMERICAS COLLATERAL AGENT AS

Inventor(s): (std): EDWARD R YUHAS ; KARL F POPP ; POPP KARL ; POPP KARL F YUHAS EDWARD R ; YUHAS EDWARD ; YUHAS EDWARD R ; POPP KARL F

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; REEVES JULIE FRANCES; GARY M NATH NATH AND ASSOCIATES PLLC; JOSHUA B; GARY M; NATH AND ASSOCIATES PLLC; NATH LAW GROUP; CHARLES D

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: ANTIFUNGAL PAINTS AND COATINGS

Abstract: Source: US2005058689A Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. Methods of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.

Classifications:

International (IPC 8-9): A01N25/00 A01N33/08 A01N37/18 A01N37/44 A01N37/46 A01N63/00 A01N63/02 A01P1/00 A01P3/00 A61F13/00 A61K31/74 A61K38/00 A61K38/08 A61K38/10 A61K47/48 B05D3/00 B05D5/00 B08B3/00 B32B3/12 B32B5/02 B65D81/00 B65D85/84 C07K14/00 C07K14/435 C07K17/00 C07K2/00 C07K5/08 C07K5/10 C07K7/00 C07K7/06 C07K7/08 C08G63/91 C08L89/00 C09D133/00 C09D189/00 C09D201/00 C09D5/14 C09D5/16 C09D7/00 C09D7/12 C09J11/08 C12N11/16 C12N9/00 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/76 C12N9/78 C12Q1/00 C12Q1/34 C12Q1/527 C12S9/00 (Advanced/Invention); A01N33/00 A01N37/18 A01N37/44 A01N63/00 A01P1/00 A01P3/00 A61F13/00 A61K47/48 B05D3/00 C07K14/00 C07K5/00 C07K7/00 C08G63/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16 C09D7/12 C09J11/00 C12N11/00 C12N9/00 C12N9/16 C12N9/48 C12N9/76 C12N9/78 (Core/Invention); A01N C09D (Subclass/Invention)

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US: 106/124.1 106/124.100S 106/15.05 106/15.050P 106/15.050S 106/18.32 106/18.320P 106/18.320P 106/18.320S 106/2 106/2P 106/4 106/4S 106/501.1 106/501.100S 134/26 134/26P 206/216 206/216S 206/524.1 206/524.100S 222/1 222/1S 424/404 424/409 424/422 424/422P 424/426 424/426P 424/78.09 424/94.2 424/94.200P 427/331 427/331S 427/352 427/352S 427/414 427/414P 428/116 428/116S 435/174 435/174S 435/18 435/183 435/183S 435/18P 435/196 435/196S 435/197 435/197S 435/198 435/198S 435/212 435/212S 435/213 435/213S 435/227 435/227S 435/264 435/264S 435/4 435/4S 442/93 442/93S 514/1.1 514/1.100P 514/12 514/16 514/17 514/18 514/2 514/2.4 514/2.400S 514/21.4 514/21.5 514/21.8 514/3.3 514/3.300P 514/3.300S 521/55 521/55P 523/122 523/122S 524/17 524/17S 524/590 525/54.1 525/54.100S 530/324 530/324S 530/326 530/326S 530/327 530/327S 530/329 530/329S 530/330 530/330S 530/331 530/331S 530/350 530/350S

PatBase - WO05007758_R2

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Priority:

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Probable Assignee: MCDANIEL C STEVEN

Assignee(s): (std): MCDANIEL C ; MCDANIEL C STEVEN ; REACTIVE SURFACES LTD ; MCDANIEL STEVEN C ; REACTIVE SURFACES LTD LLP ; STEVEN MCDANIEL C ; REACTIVE SURFACE LTD ; RAWLINS JAMES W ; WALES MELINDA ; WILLIAMS ERIC B

Assignee(s): C MCDANIEL ; C STEVEN MCDANIEL

Inventor(s): (std): MCDANIEL C S ; MCDANIEL C STEVEN ; MCDANIEL STEVEN C ; RAWLINS JAMES ; RAWLINS JAMES W ; WALES MELINDA ; WALES MELINDA E ; WILLIAMS ERIC ; WILLIAMS ERIC B ; BRAASCH DWAIN E ; CARVAJAL JUAN CARLO ; CIPI PIRRO

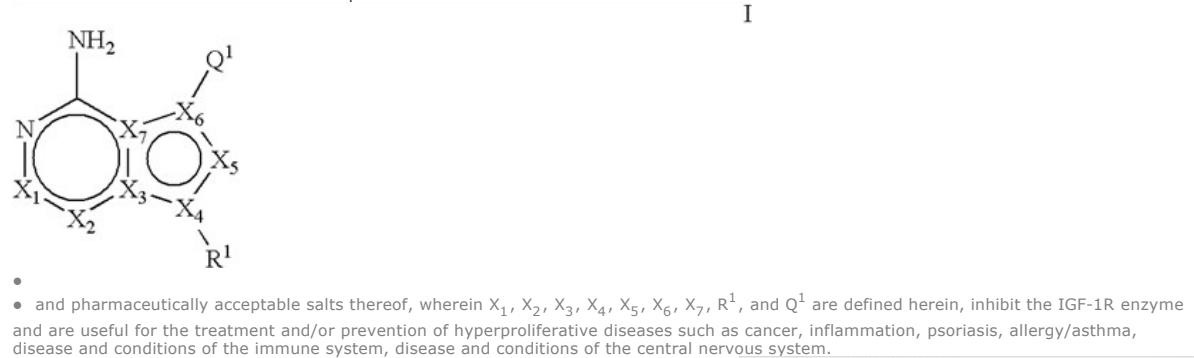
Inventor(s): MCDANIEL C ; C STEVEN MCDANIEL

Agent(s): WRAYS; MARCHANT MICHAEL JOHN; SANFORD TCOLB AND CO; C STEVEN MCDANIEL MCDANIEL AND ASSOCIATES PC; DAFFER MCDANIEL LLP; C STEVEN MCDANIEL C O DAFFER MCDANIEL LLP; RISSMAN HENDRICKS AND OLIVERIO LLP; NOVAK DRUCE CONNOLLY BOVE AND QUIGG LLP; MCDANIEL AND ASSOCIATES PC; MCDANIEL C STEVEN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: 6,6-BICYCLIC RING SUBSTITUTED HETEROBICYCLIC PROTEIN KINASE INHIBITORS

Abstract: Source: US2006235031A Compounds of the formula



Classifications:

International (IPC 8-9): A01N43/58 A01N43/60 A01N43/64 A01N43/90 A61K31/437 A61K31/4375 A61K31/495 A61K31/4965 A61K31/4985 A61K31/50 A61K31/5025 A61K31/517 A61K31/519 A61K31/52 A61K31/53 A61K31/5377 A61K31/541 A61K31/551 A61P1/04 A61P1/16 A61P11/00 A61P11/06 A61P13/12 A61P15/00 A61P15/08 A61P17/02 A61P17/06 A61P19/02 A61P25/00 A61P27/02 A61P27/06 A61P27/10 A61P29/00 A61P31/00 A61P31/04 A61P31/12 A61P31/18 A61P31/22 A61P33/02 A61P35/00 A61P35/02 A61P35/04 A61P37/02 A61P37/04 A61P37/06 A61P37/08 A61P43/00 A61P51/14 A61P7/02 A61P7/06 A61P9/00 A61P9/08 A61P9/10 C07D401/04 C07D471/00 C07D471/04 C07D487/00 C07D487/04 C07D491/00 C07D495/00 C07D497/00 C07F5/02 (Advanced/Invention); A61K31/4985 A61K31/5377 A61K31/541 A61K31/551 A61P1/04 A61P1/16 A61P11/00 A61P11/06 A61P13/12 A61P15/00 A61P15/08 A61P17/02 A61P17/06 A61P19/02 A61P25/00 A61P27/02 A61P27/06 A61P27/10 A61P29/00 A61P31/04 A61P31/12 A61P31/18 A61P31/22 A61P33/02 A61P35/00 A61P35/02 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P51/14 A61P7/02 A61P7/06 A61P9/00 A61P9/08 A61P9/10 C07D487/04 (Advanced/Non-invention); A61K31/00 A61K36/00 A61P11/00 A61P17/00 A61P25/00 A61P35/00 C07D471/00 C07D487/00 (Core/Invention); A61K31/4985 A61P35/00 C07D487/04 (Core/Non-invention); A61K A61P C07D (Subclass/Invention)

International (IPC 1-7): A61K31/437 A61K31/4985 A61K31/5025 A61K31/519 A61K31/53 A61P11/06 A61P17/06 A61P25/00 A61P35/00 C07D471/04 C07D487/04

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European: C07D471/04 C07D487/04

US: 514/210.21 514/210.210P 514/218 514/218S 514/233.2 514/233.200S 514/243 514/243S 514/249 514/249S 514/255.05 514/262.1 514/263.2 514/263.200P 514/265.1 514/265.100S 540/575 540/575S 544/117 544/117S 544/184 544/184S 544/262 544/268 544/268S 544/280 544/280S 544/284 544/284S 544/350 544/350P 544/350S 544/62 544/62P 546/13 546/13S

Family:

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EP20050742128 20050331	WO2005US10606 20050331	EP20090156987 20050331
US20110308694 20111201	US20120446629 20120413	US20130739442 20130111

Probable Assignee: OSI PHARMACEUTICALS LLC

Assignee(s): (std): ARNOLD LEE D ; CESARIO CARA ; COATE HEATHER ; CREW ANDREW P ; CREW ANDREW PHILIP ; DONG HANQING ; OSI PHARM INC ; FOREMAN KENNETH ; HONDA AYAKO ; LAUFER RADOSLAW ; LI AN HU ; MULVIHILL KRISTEN MICHELLE ; MULVIHILL MARK JOSEPH ; NIGRO ANTHONY ; MULVIHILL KRISTEN M ; MULVIHILL MARK J ; OSI FARMAS JUTIKALZ INK ; NIGRO ANTHONY I ; PANICKER BIJOY ; STEINIG ARNO G ; SUN YINGCHUAN ; WENG QINGHUA ; WERNER DOUGLAS S ; WYLE MICHAEL J ; ZHANG TAO ; WENG QINGUA ; OSI PHARMACEUTICALS ; OSI PHARMACEUTICALS LLC ; STEINIG AMO G ; WENG QUINGHUA

Assignee(s): OSI PHARMACEUTICALS INC

Inventor(s): (std): AN HU LI ; ARNOLD LEE DANIEL ; AYAKO HONDA ; BIJOY PANICKER ; CARA CESARIO ; CESARIO CARA ; COATE HEATHER ; CREW ANDREW P ; CREW ANDREW PHILIP ; CREW ANDREW PHILLIP ; DONG HAN QING ; DONG HANGING ; DONG HANQING ; ARNOLD LEE D ; ARNOLD LEE D COATE HEATHER CRE ; FOREMAN KENNETH ; HANQING DONG ; HEATHER COATE ; HONDA AYAKO ; INNOCENZO NIGRO ANTHONY ; JOSEPH MULVIHILL MARK ; KENNETH FOREMAN ; MICHAEL WYLE ; MICHELLE MULVIHILL KRISTEN ; MULVIHILL KRISTEN ; MULVIHILL KRISTEN M ; MULVIHILL KRISTEN MICHELE ; MULVIHILL KRISTEN MICHELLE ; MULVIHILL MARK ; MULVIHILL MARK J ; MULVIHILL MARK JOSEPH ; NIGRO ANTHONY ; NIGRO ANTHONY I ; NIGRO ANTHONY INNOCENZO ; PANICKER BIJOY ; PHILIP CREW ANDREW ; QINGHUA WENG ; LAUFER RADOSAW ; LAUFER RADOSLAW ; LI AN HU ; LI AN KHU ; MALVIKHILL MARK DZHOZEF ; STEINIG AMO G ; STEINIG ARNO ; STEINIG ARNO G ; WENG QING HUA ; WENG QINGHUA ; WENG QINGUA ; WENG QUINGHUA ; WERNER DOUGLAS ; WERNER DOUGLAS S ; SUN YING CHUAN ; SUN YINGCHUAAN ; SUN YINGCHUAN ; TAO ZHANG ; WYLE MICHAEL ; WYLE MICHAEL J ; YINGCHUAN HANG TAO CESARIO CAR ; YINGCHUAN SUN ; ZHANG TAO ; ARNOLD LEE ; VERNER DUGLAS S ; VEHN TSINKHUA ; UAJL MAJKL DZH ; SUN INCHUAN ; SHTAJNIG ARNO G ; PANIKER BIDZHOJ ; NAJGRO EHNTONI ; MALVIKHILL KRISTEN MISHEL ; LAUFER RADOSLAV ; KRJU EHNDRJU FILIP ; KOUT KHITER ; KHONDA AJAKO ; FORMAN KENNET ; DUN KHAN TSIN ; CHZHAN TAO ; ARNOL D LI D ; RADOSLOW LAUFER ; SESARIO KARA ; CREW ANDREW

Inventor(s): ARNOL'D LI D. ; DUN KHAN'TSIN ; WYLE J MICHAEL ; SUN' INCHUAN' ; MARK JOSEPH MULVIHILL ; MICHAEL J WYLE ; LI AN'-KHU ; MALVIKHILL KRISTEN MISHEL' ; LAUFER RADOSLOW ; LEE D ARNOLD ; RADOSLAW LAUFER ; KRISTEN MICHELLE MULVIHILL ; LAIFER RADOSLAW ; HANG TAO CESARIO CARA SUN YINGCHUAN ; ARNOLD LEE D COATE HEATHER CREW ANDREW P DONG HANQ ; DOUGLAS S WERNER ; DONG HAN QUING ; ANDREW PHILIP CREW ; ANTHONY INNOCENZO NIGRO ; ANTHONY NIGRO ; ARNO G STEINIG

Agent(s): SPRUSON AND FERGUSON; CASSAN MACLEAN; BLAKEY ALISON JANE; HAILE ALISON VICTORIA; REINHOLD COHN AND PARTNERS; KIM T NGUYEN SUITE 110; OSI PHARMACEUTICALS INC; ASTELLAS US LLC; GUYAN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: APPARATUS AND METHOD FOR TRANSDERMAL DELIVERY OF PARATHYROID HORMONE AGENTS

Abstract: Source: US2005256045A An apparatus and method for transdermally delivering a biologically active agent comprising a delivery system having a microprojection member (or system) that includes a plurality of microprojections (or array thereof) that are adapted to pierce through the stratum corneum into the underlying epidermis layer, or epidermis and dermis layers. In one embodiment, the PTH-based agent is contained in a biocompatible coating that is applied to the microprojection member.

Classifications:

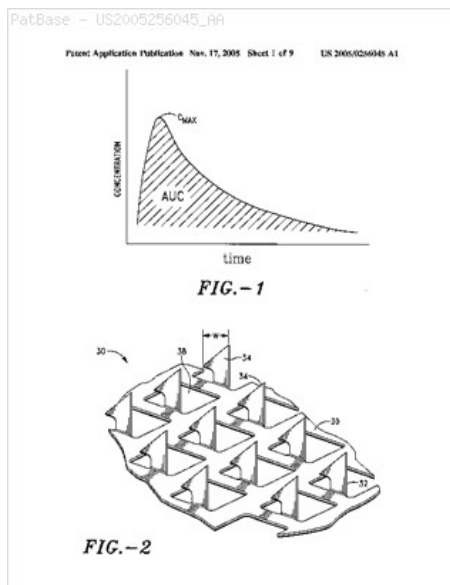
International (IPC 8-9): A61B17/20 A61K38/16 A61K38/22 A61K38/29 A61K47/02 A61K47/10 A61K47/12 A61K47/14 A61K47/18 A61K47/20 A61K47/22 A61K47/26 A61K47/32 A61K47/34 A61K47/36 A61K47/38 A61K47/40 A61K47/42 A61K9/00 A61K9/02 A61M31/00 A61M37/00 A61M5/00 A61M5/30 A61P5/18 C07K14/635 C07K2/00 (Advanced/Invention); A61K47/12 A61K47/18 A61K47/26 A61M37/00 (Advanced/Non-invention); A61K38/00 A61M31/00 A61M37/00 (Core/Invention); A61B A61K A61M (Subclass/Invention)

International (IPC 1-7): A61B17/20 A61J1/00 A61K31/00 A61K38/29 A61K9/00 A61K9/70 A61M31/00 A61M35/00 A61M37/00 A61P19/10

CP: A61K38/29 A61K9/0021 A61K47/12 A61K47/183 A61K47/26 A61M37/0015 A61M2037/0023 A61M2037/0046 A61M2037/0061

European: A61K38/29 A61K9/00M5B A61M37/00M K61K47/12 K61K47/18B K61K47/26 K61M37/00M1 K61M37/00M4 K61M37/00M6

US: 424/422 424/422P 424/423 424/423P 424/449 514/1.1 514/1.100S 514/1.2 514/1.200S 514/11.8 514/11.800S 514/12 514/16.9 514/16.900S 514/2 514/21.3 530/300 604/123 604/46 604/46P 604/500 604/500S 604/506 604/506P

**Family:**

Publication number	Publication date	Application number	Application date
AR048887 AA	20060607	AR2005P101822	20050505
AU2005244734 AA	20051201	AU20050244734	20050318
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EP1744683 A2	20070124	EP20050727716	20050318
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IL179197 A0	20070308	IL20060179197	20061112
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Probable Assignee: ALZA CORP

Assignee(s): (std): ALZA CORP ; AMERI MAHMOUD ; CORMIER MICHEL J ; CORMIER MICHEL J N ; MAA YUH FUN ; KAMBERI MARIKA ; DADDONA PETER ; JOHNSON AND JOHNSON ; KAMBERL MARIKA ; DADDONA PETER E

Assignee(s): HERCULES TECHNOLOGY GROWTH CAPITAL INC ; CORMIER MICHEL JN

Inventor(s): (std): PETER DADDONA ; YUH FUN MAA ; KAMBERI MARIKA ; DADDONA PETER ; CORMIER MICHEL J ; AMERI MAHMOUD ; PETER AMERI MAHMOUD CORMIER MI ; DADDONA PETER E ; KAMBERL MARIKA ; MAA YUH FUN ; MAHMOUD AMERI ; MARIKA KAMBERI ; CORMIER MICHEL J N ; CORMIER MICHAEL J N

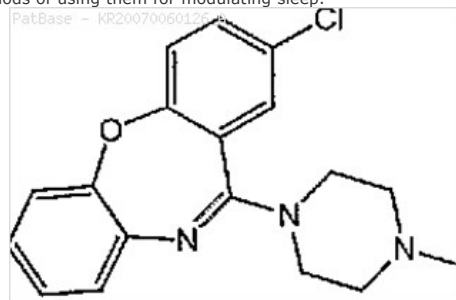
Inventor(s): AMERI MAHMOUD CORMIER MICHEL J ; CORMIER MICHAEL JN ; CORMIER MICHEL ; MICHEL J N CORMIER ; MICHEL JN CORMIER ; AMERI MAHMOUD CORMIER MICHEL J MAA YUH FUN KAMBERI ; CORMIER MICHEL JN

Agent(s): WRAYS ; BORDEN LADNER GERVAIS LLP ; SOAMES CANDIDA JANE ; RALPH C FRANCIS FRANCIS LAW GROUP ; EDWARDS ANGELL PALMER AND DODGE LLP ; KATHLEEN ; AMY ; EDWARDS WILDMAN PALMER LLP ; SUNSTEIN KANN MURPHY AND TIMBERS LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Abstract: Source: US2006063755A The invention relates to novel compounds and methods of using them for modulating sleep.

International (IPC 8-9): A61K31/55 A61K31/553 A61K31/554 A61P25/00 A61P25/20
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C07D413/04 (Advanced/Invention);
A61K31/553 A61P25/00 C07D267/02 C07D413/02 (Advanced/Non-invention);
A61K31/00 A61K31/55 A61K31/553 A61P25/00 C07D267/00
C07D413/00 (Core/Invention);
A61K A61P C07D (Subclass/Invention)
International (IPC 1-7): A61K31/55 A61K31/553 A61P25/00 C07D267/02
CPC: A61K31/553 C07D267/20 C07D413/12
European: A61K31/553 C07D267/20 C07D413/12
US: 514/211.13 514/211.130P 540/551 540/551P 540/551S



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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN S7 SZ TD TG TI TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PROCESS FOR PRODUCING STERILE SUSPENSIONS OF SLIGHTLY SOLUBLE BASIC PEPTIDE COMPLEXES, STERILE SUSPENSIONS OF SLIGHTLY SOLUBLE BASIC PEPTIDE COMPLEXES, PHARMACEUTICAL FORMULATIONS CONTAINING THEM, AND THE USE THEREOF AS MEDICAMENTS

Abstract: Source: US2006135405A The present invention provides a novel process for producing sterile suspensions of slightly soluble basic peptide complexes. The present invention further provides a novel process for producing sterile lyophilizates of slightly soluble basic peptide complexes. In addition, a novel process for producing sterile suspensions suitable for the parenteral administration of slightly soluble basic peptide complexes is provided. The invention moreover provides sterile suspensions and sterile lyophilizates of slightly soluble basic peptide complexes, and pharmaceutical formulations comprising them. The provided sterile suspensions, sterile lyophilizates and pharmaceutical formulations comprising them are particularly suitable for use in a parenteral dosage form as medicaments for the treatment and prophylaxis of diseases and pathological states in mammals, especially in humans.

Classifications:

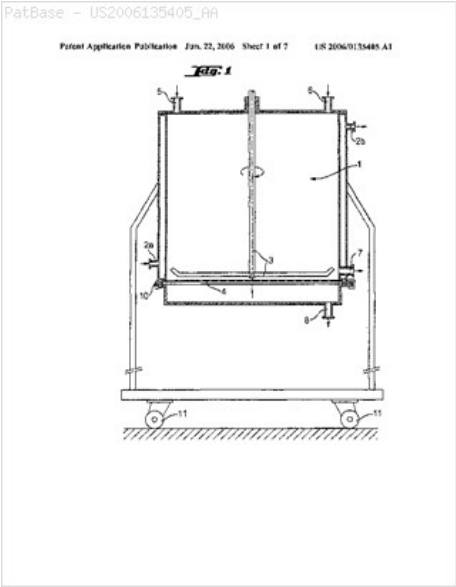
International (IPC 8-9): A61K38/09 A61K9/10 A01N37/18 A61K38/00 A61K38/02 A61K38/08 A61K38/16 A61K47/10 A61K47/12 A61K9/08 A61K9/19 A61L2/18 A61P13/08 A61P15/00 A61P15/08 A61P15/10 A61P15/16 A61P15/18 A61P25/00 A61P25/28 A61P31/18 A61P35/00 A61P37/04 A61P43/00 A61P5/24 (Advanced/Invention); A61K38/09 A61K9/08 A61K9/19 (Advanced/Non-invention); A61K38/00 A61K38/02 A61K38/08 A61K38/16 A61K47/10 A61K47/12 A61K9/00 A61K9/08 A61K9/10 A61K9/19 A61L2/18 A61P13/00 A61P15/00 A61P25/00 A61P31/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 (Core/Invention); A61K38/09 A61K9/10 A61K9/19 (Core/Non-invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K38/09 A61K9/10 A61K9/10 A61K9/19 A61K9/19

CPC: A61K9/19 A61K9/0019 A61K9/10 A61K31/19 A61K38/09 A61K47/26

European: A61K31/19 A61K38/09 A61K47/26 A61K9/00M5 A61K9/10 A61K9/19 K61K38/00

US: 514/10.3 514/10.300S 514/10.4 514/10.400P 514/15 514/2 514/6.4 514/6.400P 514/9.8



Family:

Publication number	Publication date	Application number	Application date
AR052656 AA	20070328	AR2005P105462	20051221
AT463239 E	20100415	AT20050824358T	20051216
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US7906479 BB	20110315	US20080100674	20080410
WO06069641 A1	20060706	WO2005EP13553	20051216
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Priority:

US20040637770 20041222 US20040637770P 20041222 EP20040030568 20041223
US20050304548 20051216 EP20050824358 20051216 US20080100674 20080410
US20050741911P 20051205 WO2005EP13553 20051216

Probable Assignee: ZENTARIS GMBH

Assignee(s): (std): AETERNA ZENTARIS GMBH ; ATERNA ZENTARIS GMBH ; FTERNA ZENTARIS GMBH ; ZENTARIS GMBH ; ZENTARIS AG

Assignee(s): WERNER KARL ; ZENTARIS GMBHDE ; ZENTRARIS GMBH ; MUELLER HORST ; RISCHER MATTHIAS ; ENGEL JUERGEN

Inventor(s): (std): ENGEL JUERGEN ; ENGEL JUERGEN PROF ; ENGEL JURGEN ; HORST MUELLER ; JUERGEN ENGEL ; KARL WERNER ; MATTHIAS RISCHER ; MUELLER HORST ; MULLER HORST ; RICHER MATTHIAS ; RISCHER MATHIAS ; RISCHER MATTHIAS ; RISCHER MATTHIAS DR ; WERNER KARL ; WERNER KARL DR

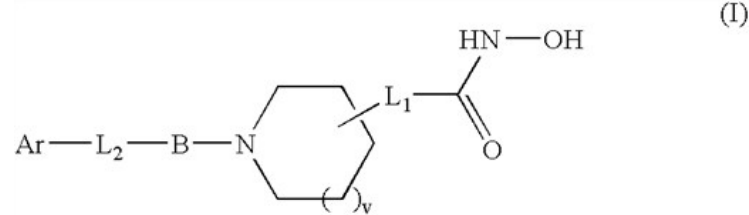
Inventor(s): MATHIAS RISCHER ; JURGEN ENGEL ; HORST MULLER

Agent(s): SPRUSON AND FERGUSON; MARKS AND CLERK; HOON CHANG; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: HYDROXAMATES AS HISTONE DEACETYLASE INHIBITORS AND PHARMACEUTICAL FORMULATIONS CONTAINING THEM

Abstract: Source: US2008207694A Compounds of structure (I) having histone deacetylase (HDAC) inhibitor activity are described. The compounds are chemically characterised by the presence of hydroxamic **acid**, with zinc as chelator, and an aromatic nucleus connected by a linker in which either a bicyclic aromatic system or a piperidino ring are present.



Classifications:

International (IPC 8-9): A61K31/445 A61P3/00 A61K31/4523 A61K31/4525 A61K31/4535 A61K31/454 A61K31/4709 A61K31/4725 A61K45/00 A61P1/16 A61P11/00 A61P29/00 A61P3/10 A61P33/02 A61P35/00 A61P35/02 A61P37/02 A61P43/00 C07D211/32 C07D211/34 C07D211/96 C07D401/06 C07D401/12 C07D405/06 C07D409/06 C07D409/14 C07D413/06 C07D417/06 (Advanced/Invention); C07D211/34 C07D211/96 C07D409/14 C07D413/06 (Advanced/Non-invention); A61K31/445 A61K31/4523 A61P3/00 A61P35/00 C07D211/00 C07D401/00 C07D405/00 C07D409/00 C07D413/00 C07D417/00 (Core/Invention); A61K A61P C07D (Subclass/Invention)

International (IPC 1-7): A61K31/445 A61K31/4523 A61K31/4525 A61K31/4535 A61K31/454 A61P3/00 A61P35/00 C07D211/34 C07D211/96 C07D401/06 C07D405/06 C07D409/06 C07D409/14 C07D413/06 C07D417/06

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US: 514/331 546/233 546/233S

Family:

Publication number	Publication date	Application number	Application date
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Priority:

IT2005FI00041 20050315 IT2005FI00239 20050315 IT2005FI00239 20051121
WO2006EP60687 20060314

Probable Assignee: MENARINI INTERNAT OPERATIONS LUXEMBOURG SA

Assignee(s): (std): ANDREA PIERO D ; D ANDREA PIERO ; FATTORI DANIELA ; MARASTONI ELENA ; MENARINI INT OPERATIONS L ; MENARINI INT OPERATIONS LU SA ; ROSSI CRISTINA ; PORCELLONI MARINA ; MENARINI INTERNAT OPERATION LU ; MENARINI INTERNAT OPERATIONS LUXEMBOURG SA

Assignee(s): MENARINI INTERNATIONAL OPERATIONS L U X E M B O U R G S A ; MENARINI INTERNAT OPERATIONS L ; MENARINI INTERNATIONAL OPERATIONS LUXEMBURGO S A ; MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S A ; MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S A ; MENARINI INTERNATIONAL OPERATION LUXEMBOURG S A ; MENARINI INT OPERATIONS LUXEMBOURG SA

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Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; BERESKIN AND PARR; JAY S CINAMON ABELMAN FRAYNE AND SCHWAB; CONG TY TNHH BAN CA

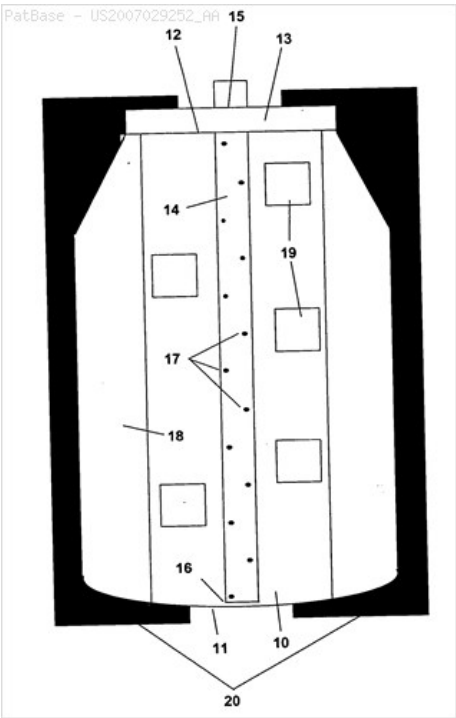
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEM AND PROCESS FOR BIOMASS TREATMENT

Abstract: Source: US2007029252A A system including an apparatus is presented for treatment of biomass that allows successful biomass treatment at a high solids dry weight of biomass in the biomass mixture. The design of the system provides extensive distribution of a reactant by spreading the reactant over the biomass as the reactant is introduced through an injection lance, while the biomass is rotated using baffles. The apparatus system to provide extensive assimilation of the reactant into biomass using baffles to lift and drop the biomass, as well as attrition media which fall onto the biomass, to enhance the treatment process.

Classifications:

International (IPC 8-9): B09B3/00 C02F11/00 C02F11/02 C02F3/00 C07H3/02 C10L1/00 C12M1/02 C12M1/40 C12P1/00 C12P19/00 C12P19/02 C12P19/14 C12P7/00 C12P7/06 C12P7/08 C12P7/18 C12P7/56 C13K1/02 (Advanced/Invention); C07H3/02 C12N15/09 C12P19/14 (Advanced/Non-invention); B09B3/00 C02F11/00 C02F11/02 C02F3/00 C07H3/00 C10L1/00 C12M1/02 C12M1/40 C12P1/00 C12P19/00 C12P7/00 C12P7/02 C12P7/40 C13K1/00 (Core/Invention); C07H3/00 C12N15/09 C12P19/00 (Core/Non-invention)
International (IPC 1-7): C12M1/40 C12P1/00 C12P19/02 C12P7/08
CPC: B09B3/00 C12M23/56 C12M27/10 C12M27/20 C12M29/00 D21C5/00 D21C11/0007 C12M45/02 Y02E50/10 C12P7/08 C12P19/02 C12P2201/00 Y02E50/17 C12P7/02 C12P5/00 C12P7/10 C12P7/16 C12P7/18 C12P7/28 C12P7/40 C12P13/04 Y02E50/16 C12M45/09 C12M27/02 Y02E50/343 Y02W10/45
European: B09B3/00 C12M1/40 C12M23/56 C12M27/10 C12M27/20 C12M29/00 C12P13/04 C12P19/02 C12P5/00 C12P7/02 C12P7/08 C12P7/10 C12P7/16 C12P7/18 C12P7/28 C12P7/40 D21C5/00 M12P201/00 N21C11/00B Y02E50/16 Y02E50/17 Y02E50/34B
US: 127/37 162/22 210/603 426/7 435/105 435/105P 435/132 435/161 435/161P 435/161S 435/41 435/41P 435/41S 435/72 435/72P 435/99



Family:

Publication number	Publication date	Application number	Application date
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US2007031919 AA	20070208	US20060403087	20060412	
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Priority:

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Probable Assignee: DU PONT

Assignee(s): (std): ALLIANCE SUSTAINABLE ENERGY ; DU PONT ; DUNSON JAMES B ; DUNSON JAMES B JR ; DUNSON JR JAMES B ; ELANDER RICHARD ; LYONS ROBERT C ; HENNESSEY SUSAN ; FRIEND JULIE ; HAMES BONNIE ; HENNESSEY SUSAN M ; ELANDER RICHARD T ; MIDWEST RESEARCH INST ; EIDU PONT DE NEMOURS AND CO ; TUCKER III MELVIN P ; TUCKER MELVIN ; TUCKER MELVIN P ; TUCKER MELVIN P III

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Inventor(s): (std): BONNIE HAMES ; DUNSON JAMES B JR ; DUNSON JR JAMES B ; ELANDER RICHARD T ; HENNESSEY SUSAN MARIE ; JULIE FRIEND ; TUCKER MELYUIN P ; TUCKER MELVIN ; LYONS ROBERT C ; ELANDER RICHARD ; DUNSON JAMES B ; HENNESSEY SUSAN M ; HENNESSEY SUSAN ; HAMES BONNIE ; FRIEND JULIE ; TUCKER III MELVIN P ; TUCKER MELVIN P ; TUCKER MELVIN P III

Inventor(s): TUCKER MELVIN PIII ; TUCKER MELVINUS ; LYONS ROBERT ; MELVIN TUCKER ; RICHARD ELANDER ; ROBERT C LYONS ; SUSAN HENNESSEY ; SUSAN M HENNESSEY ; SUSAN MHENNESSEY ; HENNESSEY SUSANUS ; JAMES B DUNSON ; ELANDER RICHARDUS ; DUNSON JAMES BJR ; DUNSON JAMES BUS ; DUNSON JAMES

Agent(s): TORYS LLP; MATTHEWS DEREK PETER; E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND COMPANY,LEGAL PATENT RECORDS CENTER

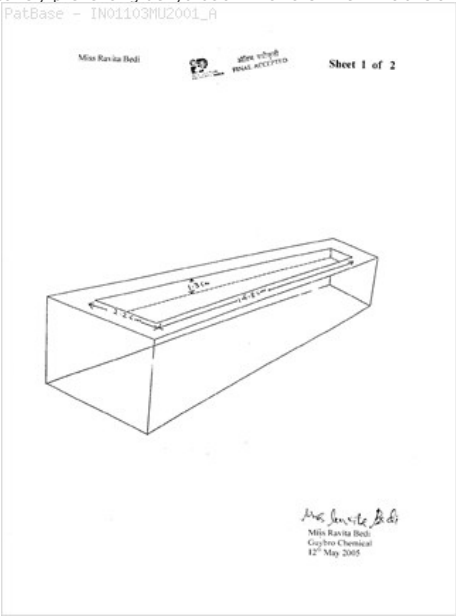
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: EDIBLE WATER FOR PREVENTING DEHYDRATION IN CHICKS NAMED AS SPRING

Abstract: Source: IN01103MU2001A A poultry feed supplement for preventing dehydration in chicks is provided by homogeneously mixing together, electrolytes dextrose, organic acids gelling material; purified water utilizing a polypropylene drum and an electric stirrer made up of SS metal, with motor at 0.5horse power. The electrolytes used in the above supplement are sodium chloride (50-70 mg), magnesium chloride (25-30 mg), calcium chloride (27-33 mg) sodium acetate (50-70 mg), potassium acetate (10-15 mg) and sodium citrate (50-80 mg). The feed supplement also comprises dextrose in the range of 50-80 mg and direct organic acid which are among the group of formic acid, organic acid, prop ionic acid and Sorbic acid is used to improve the strength of poultry chicks by effectively preventing dehydration in chicks when in transit.

Classifications:

International (IPC 1-7): A23L1/30



Family:

Publication number	Publication date	Application number	Application date
IN01103MU2001 A	20061027	IN2001MU01103	20011120
IN207769 B	20080725	IN2001MU01103	20011120

Probable Assignee: RAVITA BEDI

Assignee(s): MS RAVITA BEDI ; RAVITA BEDI

Inventor(s): MS RAVITA BEDI ; RAVITA BEDI

Title: BENZISOXAZOLE PIPERAZINE COMPOUNDS AND METHODS OF USE THEREOF

Abstract: Source: US2007004752A The invention includes benzisoxazole piperazine compositions and methods of using them for modulating sleep.

Classifications:

International (IPC 8-9): A61K31/423 A61K31/445 A61K31/454 A61K31/496 A61K31/497 A61K31/5355 A61K31/5377 A61P25/20 A61P43/00 C07D261/20 C07D401/04 C07D413/00 C07D413/02 C07D413/04 C07D413/14 C07D417/00 C07D419/00 (Advanced/Invention); A61K31/00 A61K31/423 A61K31/445 A61K31/4523 A61K31/496 A61K31/5375 A61P25/00 C07D261/00 C07D401/00 C07D413/00 (Core/Invention); A61K C07D (Subclass/Invention)

International (IPC 1-7): C07D261/20

CPC: C07D413/04 C07D261/20

European: C07D261/20 C07D413/04

US: 514/233.8 514/233.800P 514/254.02 514/254.04 514/254.040P 514/321 514/321S 544/129 544/129S 544/368 544/368S 546/198 546/198S 546/321

Family:

Publication number	Publication date	Application number	Application date	
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US2008214539 AA	20080904	US20060912741	20060426	
US2009163514 AA	20090625	US20090369477	20090211	
US7494998 BB	20090224	US20060412856	20060426	
US8088778 BB	20120103	US20090369477	20090211	
US8129410 BB	20120306	US20060912741	20060426	
WO06116614 A1	20061102	WO2006US16057	20060426	
WO06116615 A1	20061102	WO2006US16059	20060426	

Priority:

US20050675202	20050426	US20050675202P	20050426	US20060412856	20060426
WO2006US16059	20060426	WO2006US16057	20060426	US20060912741	20060426
US20090369477	20090211	EP20060751667	20060426		

Probable Assignee: HYPNION INC

Assignee(s): (std): COUGHLIN DANIEL ; EDGAR DALE ; EDGAR DALE M ; HANGAUER DAVID ; SHIOSAKI KAZUMI ; HANGAUER DAVID G ; SOLOMON MICHAEL ; WHITE JAMES F ; HYPNION INC ; WHITE JAMES

Inventor(s): (std): WHITE JAMES ; WHITE JAMES F ; SOLOMON MICHAEL ; SHIOSAKI KAZUMI ; MICHAEL SOLOMON ; KAZUMI SHIOSAKI ; HANGAUER DAVID G ; EDGAR DALE M ; DANIEL COUGHLIN ; COUGHLIN DANIEL ; EDGAR DALE ; HANGAUER DAVID ; HANGAUER DAVID GARRY JR

Inventor(s): JAMES F WHITE ; DALE M EDGAR ; DAVID G HANGAUER ; DAVID GARRY HANGAUER JR

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; SUAREZ MILES ANA SANCHIZ; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; ELI LILLY AND COMPANY; ELI LILLY AND CO; ELRIFI IVOR R; ERLACHER HEIDI A; R CRAIG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: WATER SOLUBLE MAGNESIUM COMPOUNDS AS CLEANING AGENTS AND METHODS OF USING THEM

Abstract: Source: US2008274928A The present invention relates to compositions and methods employing a water soluble magnesium compound. In certain embodiments, the composition includes water and water soluble magnesium compound, but lacks other materials commonly used in cleaning compositions. The methods and compositions can provide magnesium ion at predefined ratios to calcium ion in water, such as magnesium ion in a molar amount equal to or in excess over a molar amount of calcium ion. A water soluble magnesium salt including an anion of a water soluble calcium salt is more effective than a magnesium salt with an anion of a water insoluble calcium salt. These compositions can be used for reducing lime scale or precipitate formation from hard water, removing soap scum, or the like.

Classifications:

International (IPC 8-9): B01D27/02 B08B3/04 B08B3/08 B08B7/00 B08B7/04 B08B9/20 C02F1/52 C02F1/58 C02F5/00 C02F5/02 C09D5/08 C09K3/00 C10G45/00 C10G9/00 C10G9/16 C11D1/00 C11D1/83 C11D11/00 C11D17/00 C11D17/06 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/08 C11D3/10 C11D3/12 C11D3/16 C11D3/20 C11D3/24 C11D3/37 C11D3/38 C11D3/39 C11D3/48 C11D3/60 C11D7/02 C11D7/10 C11D7/12 C23C20/00 C23C20/06 C23C22/00 C23F1/08 C23F11/06 C23G1/18 D06F39/00 D06L1/12 (Advanced/Invention); C02F5/06 (Advanced/Non-invention); B01D27/00 B08B3/04 B08B3/08 B08B7/00 B08B7/04 C02F1/52 C02F1/58 C02F5/00 C09D5/08 C09K3/00 C10G45/00 C10G9/00 C11D1/00 C11D1/83 C11D11/00 C11D17/00 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/08 C11D3/10 C11D3/12 C11D3/16 C11D3/20 C11D3/24 C11D3/37 C11D3/38 C11D3/39 C11D3/48 C11D7/02 C23C20/00 C23C22/00 C23F1/08 C23G1/14 D06F39/00 (Core/Invention)

International (IPC 1-7): C11D1/00 C11D3/04

CPC: C11D3/046 C02F5/02 C02F5/06 C02F2303/14 C02F2303/22 C11D7/10 C11D11/0023

European: C11D11/00B2D C11D3/04S C11D7/10

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ALPHA-AMYLASE VARIANTS WITH ALTERED PROPERTIES

Abstract: Source: US2009117642A Disclosed are compositions comprising variants of a parent G. stearothermophilus alpha-amylase that have alpha-amylase activity and which exhibit altered properties relative to a parent AmyS-like alpha-amylase from which they are derived. The compositions comprise an additional enzyme such as a phytase. Also disclosed are methods of using the compositions, and kits related thereto.

Classifications:

International (IPC 8-9): A21D2/00 A21D2/16 A21D2/26 A21D8/04 A23C17/00 A23G3/00 A23K1/165 A23K1/18 A23L1/03 A23L1/09 A23L1/202 A23L1/28 A61K38/46 C07H21/00 C07H21/04 C07K1/00 C07K14/32 C07K14/43 C07K14/435 C07K17/00 C08B30/12 C11D17/06 C11D17/08 C11D3/02 C11D3/37 C11D3/386 C11D3/395 C11D3/40 C11D3/48 C11D3/50 C11D3/60 C11D7/42 C12C11/00 C12D3/00 C12D3/386 C12G3/00 C12N1/00 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/56 C12N15/63 C12N15/75 C12N5/10 C12N9/00 C12N9/02 C12N9/14 C12N9/16 C12N9/18 C12N9/20 C12N9/24 C12N9/26 C12N9/28 C12N9/96 C12P19/14 C12P19/34 C12P21/06 C12P7/06 C12P7/10 C12S11/00 C12S9/00 D06L1/00 D06L3/11 D06M15/00 D06M16/00 (Advanced/Invention); C11D3/386 C12N15/09 C12N15/56 C12N15/75 C12N9/14 C12N9/28 (Advanced/Non-invention); A21D2/00 A21D8/02 A23G3/00 A23L1/09 A23L1/202 A61K38/43 C07H21/00 C07K14/415 C07K14/435 C11D3/38 C11D3/38 C12C11/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/11 C12N15/56 C12N15/63 C12N15/74 C12N9/26 C12P7/02 C12S11/00 D06M16/00 (Core/Invention); C11D C12N (Subclass/Invention)

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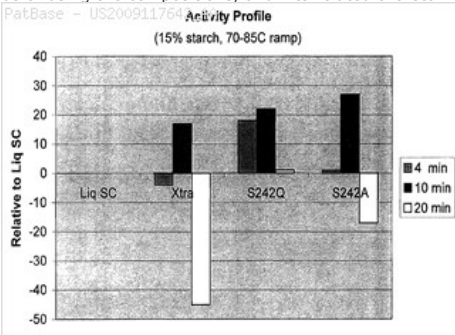
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European: A21D8/04B A23K1/165B A23K1/18L2 A23L1/03E C11D3/386 C11D3/386A C11D3/386B C11D3/386N C12N9/24A2B1A2 D06M16/00B Y02E50/16 Y02E50/17

US: 424/94.6 426/11 426/11P 426/42 426/48 426/56 426/64 426/64P 426/653 426/653S 426/658 426/658S 435/165 435/165S 435/183 435/188 435/188P 435/189 435/189S 435/195 435/196 435/197 435/197S 435/198 435/198S 435/200 435/201 435/201S 435/202 435/202P 435/202S 435/252.3 435/252.300S 435/252.31 435/252.310S 435/252.33 435/252.330S 435/252.34 435/252.340S 435/252.35 435/252.350S 435/252.5 435/252.500S 435/252.8 435/252.800S 435/253.3 435/253.300S 435/253.5 435/253.500S 435/254.11 435/254.110S 435/254.2 435/254.21 435/254.3 435/263 435/263P 435/263S 435/264 435/264S 435/275 435/275S 435/320.1 435/320.100S 435/325 435/348 435/69.1 435/91.1 435/99 510/218 510/218S 510/226 510/235 510/236 510/236S 510/300 510/300S 510/320 510/320S 510/392 510/392S 510/530 510/530S 530/350 536/22.1 536/22.100S 536/23.1 536/23.2 536/23.200S 536/23.7

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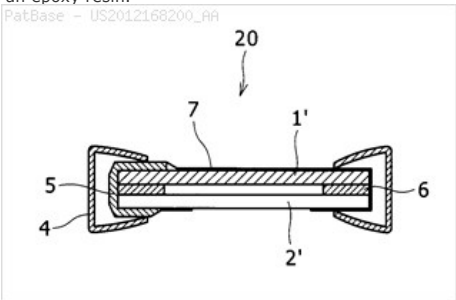
Probable Assignee: DANISCO US INC

Assignee(s): (std):	DANISCO ; DANISCO US INC GENENCOR DIV ; DANISCO US INC ; DANISKO JUEHS INK ; POWER SCOTT D ; LEEFLANG CHRIS ; HUANG VICTORIA ; KOLKMAN MARC ; JONES BRIAN E ; KRAHG KARSTEN M ; KELLIS JAMES T ; PAULSON BRADLEY ; JONES BRIAN ; KRAHG KARSTEN MATTHIAS ; PEREIRA LUIS GUSTAVO CASCAO ; KELLIS JAMES T JR ; KOKLMAN MARC ; KELLIS JR JAMES T ; KRAUGH KARSTEN ; KOLKMAN MARC ; JONES BRAIN E ; PAULSON BRADLEY A ; GRAYCAR THOMAS P ; HUANG VICTORIA E ; SHAW ANDREW ; RAMER SANDRA W ; WEYLER WALTER ; VROEMAN CASPER ; RAMER SANDRA ; SHETTY JAYARAMA K ; SHARMA VIVEK ; WARD DONALD ; YOON MEE YOUNG ; VROEMEN CASPER WILLEM ; VROEMEN CASPER ; WARD DONALD E ; CASCAO PEREIRA LUIS ; CASCAO PEREIRA LUIS G ; CHANG CLAUDINE ; CHANG CLAUDINE Y ; CHOY CLEMENT ; ESTABROOK MELODIE ; GRAYCAR THOMAS ; GOYAL MANSI
Assignee(s):	DANISCO A S ; DANISCO US INC GENENCOR DIVISION
Inventor(s): (std):	CASCAO PEREIRA LUIS ; CASCAO PEREIRA LUIS G ; CASCAOPEREIRA LUIS ; CASPER VROEMAN ; CASPER VROEMEN ; CHANG CLAUDINE ; CHANG CLAUDINE Y ; CHANG KLODIN ; CHOJ KLEMENT ; CHOY CLEMENT ; CHRIS LEEFLANG ; CLAUDINE CHANG ; CLEMENT CHOY ; DONALD WARD ; DZHOUNZ BRAJAN EH ; ESTABROOK MELODIE ; GOYAL MANSI ; GRAYCAR THOMAS ; GRAYCAR THOMAS P ; HUANG VICTORIA ; HUANG VICTORIA E ; ISTABRUK MELODI ; JONES BRAIN E ; JONES BRIAN ; JONES BRIAN E ; JOON MI JANG ; JR ; ANDREW SHAW ; BRADLEY PAULSON ; KASKAO PEREJRA LUIS ; KELLIS DZHEJMS T ML ; KELLIS JAMES T ; KELLIS JAMES T JR ; KELLIS JR JAMES T ; KOKLMAN MARC ; KOLKMAN MARC ; KOLKMAN MARC ; KOLKMAN MARK ; KRAHG KARSTEN M ; KRAHG KARSTEN MATTHIAS ; KRAUGH KARSTEN ; LEEFLANG CHRIS ; LEFLANG KRIS ; LUIS CASCAO PEREIRA ; SHARMA VIVEK ; SHAW ANDREW ; SHETTI DZHAJARAMA K ; SHETTY JAYARAMA K ; THOMAS GRAYCAR ; UEHJLER UOLTER ; UORD DONAL D ; VICTORIA HUANG ; VIVEK SHARMA ; VROEMAN CASPER ; VROEMEN CASPER ; VROEMEN CASPER WILLEM ; VRUMEN KASPER ; WALTER WEYLER ; WARD DONALD ; WARD DONALD E ; WEYLER WALTER ; YOON MEE YOUNG ; MANSI GOYAL ; MARC KOLKMAN ; MEE YOUNG YOON ; MELODIE ESTABROOK ; PAUEHR SKOTT D ; PAULSON BRADLEY ; PEREIRA LUIS GUSTAVO CASCAO ; POWER SCOTT D ; RAMER SANDRA ; RAMER SANDRA W ; SANDRA RAMER ; SHO EHNDRJU ; POLSON BREDLI ; PAULSON BRADLEY A
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Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD FOR MANUFACTURING JOINT STRUCTURE OF **STEEL** SHEET AND ALUMINUM SHEET, AND JOINT STRUCTURE OF **STEEL** SHEET AND ALUMINUM SHEET MANUFACTURED BY THE METHOD

Abstract: Source: US2012168200A A process for producing a joint structure of a **steel** sheet and an aluminum sheet, in which the **steel** sheet and the aluminum sheet are joined to each other so as to be electrically connected to each other. The process is characterized by comprising a step of forming at least one resin coating film in a thickness of 0.1 to 5.0 and mum on a contact surface on the **steel** sheet side, wherein the resin is selected from the group consisting of a polyolefin resin, a polyurethane resin and an epoxy resin.

Classifications:
International (IPC 8-9): B23K103/16 B23K103/20 B23K11/16 B23K11/20 H01B5/00 H01R4/04 (Advanced/Invention); B23K103/16 B23K103/20 (Advanced/Non-invention)
CPC: B23K11/115 B23K11/166 B23K11/20 B23K2201/006 B23K2201/18 B23K2201/34 B23K2203/20
European: B23K11/11B B23K11/16C2 B23K11/20 L23K201/00N L23K201/18 L23K201/34 L23K203/20
US: 156/49 156/49S 174/126.1 174/126.100P



Family:

Publication number	Publication date	Application number	Application date
CN102665996 A	20120912	CN201080045670	20101203
GB201206787 A0	20120530	GB20120006787	20101203
GB2488056 A1	20120815	GB20120006787	20101203
JP2011140067 A2	20110721	JP20100236684	20101021
KR20120082030 A	20120720	KR20127014713	20101203
US2012168200 AA	20120705	US20100395904	20101203
WO11070978 A1	20110616	WO2010JP71686	20101203

Priority:
JP20090280890 20091210 JP20100236684 20101021 WO2010JP71686 20101203

Probable Assignee: KOBE SEIKO SHO KOBE STEEL LTD KK

Assignee(s): (std): HISANO SHOJI ; IWAI MASATOSHI ; OHWAKI TAKESHI ; YANAGISAWA KASUMI ; KOBE STEEL LTD ; SAKASHITA SHINJI ; TATSUMI AKIHIKO

Assignee(s): KOBE SEIKO SHO KOBE STEEL LTD KK ; KABUSHIKI KAISHA KOBE SEIKO SHO ; KABUSHIKI KAISHA KOBE SEIKO SHO KOBE STEEL LTD ; KOBE SEIKO SHO KK

Inventor(s): (std): AKIHIKO TATSUMI ; HISANO SHOJI ; IWAI MASATOSHI ; KASUMI YANAGISAWA ; KUNO AKIO ; MASATOSHI IWAI ; OHWAKI TAKESHI ; OWAKI TAKESHI ; SAKASHITA SHINJI ; SHINJI SAKASHITA ; SHOJI HISANO ; TAKESHI OHWAKI ; TATSUMI AKIHIKO ; YANAGISAWA KASUMI ; YANAGISAWA KAZUMI

Agent(s): TANAKA MITSUO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW