



Boletín de la Comisión Nacional contra la Biopiratería

 CENTRO DE INFORMACIÓN Y DOCUMENTACIÓN

BOLETÍN DE MUÑA

Septiembre 2014

PATENTES EXTRANJERAS

Número de solicitud: MX200710610A

Título: MULTI-PARTICULATE FORM OF MEDICAMENT, COMPRISING AT LEAST TWO DIFFERENTLY COATED FORMS OF PELLET.

Fecha de solicitud: 2007-08-30

Solicitante:

Abstract: Multiparticulate pharmaceutical composition, for simultaneous release of an active agent (I) in both small and large intestines, comprises at least two types of pellets (A, B) which contain the same active agent (I) in the core but have different polymeric coatings, for releasing (I) at different pH values. Multiparticulate pharmaceutical composition, for simultaneous release of an active agent (I) in both small and large intestines, comprises at least two types of pellets (A, B) which contain the same active agent (I) in the core. Pellet (A) has an interior coating that provides controlled release and an outer coating, resistant to stomach liquid, and dissolves quickly at above pH 5.5. Pellets (B) have a coating that in the release test of USP, releases less than 20 % of (I) in 6 hours at pH 6.8 but more than 50% of (I) after 6 hours at pH 7.2. An INDEPENDENT CLAIM is also included for a method for preparing the composition. Antiinflammatory; Gastrointestinal; Antiulcer. No biological data given. None given. The compositions are especially used to treat inflammatory bowel disease such as Crohn's disease and ulcerative colitis. The compositions provide simultaneous, uniform and sustained release of (I) at pH 6.8 and 7.2, corresponding to conditions in the small and large intestines, but release practically no active agent (I) in the stomach. Preferred Pellets: (B) may also have an interior coating to provide controlled release. Typically the core has diameter 0.3-2 mm and the coating is 2-16 mg polymer/cm² of core surface. In the same USP test, (A) releases 40-70 % of (I) after 2 hours and 60-100 % after 4 hours (typical dwell time in the small intestine), at pH 6.8. (B) releases (I) in the colon over up to 24 hours. Preferred Materials: (I) Is an aminosalicylate, sulfonamide, hormone, peptide, interferon or glucocorticoid, specifically 5-aminosalicylic acid; olsalazin; sulfalazin; prednisolone or budesonide, but the specification lists several hundred other suitable (I). Preparation: Preformed cores are coated with polymers conventionally to produce pellets of both types, then these combined and either filled into capsules or compressed into tablets. Preferred Coating: For (A), the stomach-resisting coating is e.g. a (meth)acrylate copolymer containing acid groups, shellac or hydroxypropylmethylcellulose phthalate, particularly a copolymer of (by weight) 40-60 % methacrylic acid and 60-40 % methyl or ethyl methacrylate, e.g. Eudragit (RTM) L or LI00-55. The inner polymer is e.g. a (meth)acrylate copolymer, especially one containing 85-93 % 1-4C alkyl ester of (meth)acrylic acid and 7-15 % (meth)acrylate monomer containing a quaternary ammonium group in the alkyl residue, e.g. Eudragit (RTM) RL. For (B), the coating is a (meth)acrylate copolymer, especially one containing 10-30 % methyl methacrylate; 50-70 % methyl acrylate and 5-15 % methacrylic acid, e.g. Eudragit (RTM) S.

Número de solicitud: JP1999147425A

Título: COSMETIC COMPOSITION CONTAINING MOISTURIZING PLANT EXTRACT | The cosmetics composition containing a moisture retention botanical extract

Fecha de solicitud: 1999-05-27

Solicitante: ICHIMARU PHARCOS CO LTD

Abstract: Cosmetic, bathing or cleaning compositions containing one or more humectant plant extracts of *Uncaria tomentosa* (Wild.), *Gentiana prostrata* L., *Chenopodium quinoa* (Wild.), *Croton palanostigma*, *Lippia triphylla*, *Phyllanthus niruri* L., *Tessaria integrifolia* (R&P), *Momordica charantia* L., *Peunus boldus* Morina, *Piper elongatum* (Vahl. Enum.), *Matricaria recutita* and/or *Minthostachys setosa* (Brig.).

Cosmetics for dry skin. Long lasting humectant effect.

Número de solicitud: JP1991258569A

ANDROGENIC HORMONE-RESISTANT AGENT

Fecha de solicitud: 1991-09-10



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Solicitante: LION CORP

Abstract: Anti-male hormone agents contain one or more of plant exts. Of *Malva sylvestris*, *Leonurus sibiricus*, the seed of *Arctium lappa*, *Calendula arvensis*, *Chelidonium majus*, *Gleditschia japonica*, the seed of *Gardenia jasminoides*, *Osmanthus fragrans*, *Lippia triphylla* (cedron), *Cymbopogon citratus* (hierba luisa), *Chichorium intybus* (achicoria), *Piper elongatum* (matico), *Argemone mexicana* (cardo santo), *Urens Jacq.* (ortiga negra), *Phyllanthus niruri* (chancapiedra), *Minthostachys setos* (muna), *Atachys bogotensis* (asnac-ccora), *Sapindus saponiaris* (choloque), *Bauhina aculeata* (una degato), *Amarnatus sp.* (kiwicha), *Prosopis cilensis* (algarrobo), and *Chrysanthemum parthenium* (manzanilla). USE/ADVANTAGE The agents possess 5alpha-reductase inhibitory and androgen receptor binding inhibitory activities with high safety. Useful in the prevention and treatment of accelerated secretion of sebum (seborrhea, pimple, male pattern alopecia) caused by excessive male hormones, hirsutism (polytrichosis), acne, prostatic hypertrophy, and tumour. Agents have a variety of uses including pharmaceutical and cosmetic applications. In an example, a toilet lotion was prepared by mixing 1% glycerin monostearate, 3% isopropyl palmitate, 1% lanolin, 5% glycerin, 0.1% Me p-oxybenzoate, 1.5% stearyl cholamnoformyl methyl pyridium chloride, 0.1% cedron ext., 0.2% hierba luisa ext., 0.2% achicoria ext., perfume (traces), and water (to make 100%

Número de solicitud: JP1991258569A

Título: Antiandrogen agent

Fecha de solicitud: 1991-09-10

Solicitante: LION CORP

Abstract: Anti-male hormone agents contain one or more of plant exts. of *Malva sylvestris*, *Leonurus sibiricus*, the seed of *Arctium lappa*, *Calendula arvensis*, *Chelidonium majus*, *Gleditschia japonica*, the seed of *Gardenia jasminoides*, *Osmanthus fragrans*, *Lippia triphylla* (cedron), *Cymbopogon citratus* (hierba luisa), *Chichorium intybus* (achicoria), *Piper elongatum* (matico), *Argemone mexicana* (cardo santo), *Urens Jacq.* (ortiga negra), *Phyllanthus niruri* (chancapiedra), *Minthostachys setos* (muna), *Atachys bogotensis* (asnac-ccora), *Sapindus saponiaris* (choloque), *Bauhina aculeata* (una degato), *Amarnatus sp.* (kiwicha), *Prosopis cilensis* (algarrobo), and *Chrysanthemum parthenium* (manzanilla). USE/ADVANTAGE The agents possess 5alpha-reductase inhibitory and androgen receptor binding inhibitory activities with high safety. Useful in the prevention and treatment of accelerated secretion of sebum (seborrhea, pimple, male pattern alopecia) caused by excessive male hormones, hirsutism (polytrichosis), acne, prostatic hypertrophy, and tumour. Agents have a variety of uses including pharmaceutical and cosmetic applications. In an example, a toilet lotion was prepared by mixing 1% glycerin monostearate, 3% isopropyl palmitate, 1% lanolin, 5% glycerin, 0.1% Me p-oxybenzoate, 1.5% stearyl cholamnoformyl methyl pyridium chloride, 0.1% cedron ext., 0.2% hierba luisa ext., 0.2% achicoria ext., perfume (traces), and water (to make 100%

Número de solicitud: MX2005PA8830A

Título: APPARATUS AND METHOD FOR FEEDING AND ERECTING CARTONS.

Fecha de solicitud: 2005-08-19

Solicitante:

Abstract:

Número de solicitud: JP2000313191A

Título: SKIN CARE PREPARATION | Skin external preparation

Fecha de solicitud: 2000-10-13

Solicitante: NONOGAWA SHOJI KK

Abstract: A skin external preparation comprising extract of muna (*Minthostachys setosa*) which is an annual herb of Labiateae family, is new. INDEPENDENT CLAIMS are also included for the following: an anti-aging agent containing muna extract; and a skin whitening agent. Dermatological; Antioxidant. The free radical elimination effect of hot water extract of muna was evaluated and



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compared with a positive control of ascorbic acid. The aqueous solution of sample was allowed to stand at room temperature for 24 hours and reacted with α diphenyl- β -picryl hydrazide (free radical). The quantity of free radical was measured by the decrease in absorbance at wave length of 517 nm. The free radical elimination effect of hot water extract at a concentration of 5 μ gram/ml, 10 μ gram/ml and 20 μ gram/ml was found to be 17%, 39% and 72%, respectively. Melanin synthesis inhibition. Melanin formation inhibition effect of hot water extract at a concentration of 10 μ gram/ml, 30 μ gram/ml and 100 μ gram/ml against B16 mouse melanoma (3×10 to the power of 4 cells) was found to be 6%, 21% and 59%, respectively. As skin external preparation for preventing aging and providing fairness to skin. 30 female (30-45 years old) were applied with a cream comprising 0.05 parts of hot water extract of muna, for 1 month. A questionnaire was conducted. The cream treated persons reported that the cream provided excellent fairness, anti-aging, skin wrinkles-, stain-, frecklesprevention effects, and excellent transparent feeling to skin. The skin external preparation has high stability is safe for use and it provides excellent aging prevention and fairness providing effect to the skin. Preferred Solvent: The solvent used for extracting muna is water and lower alcohols (methanol, ethanol, 1-propanol, 2-opanol, -butanol, 2-butanol), liquid poly alcohols (1,3-butylene glycol), ketones (acetone), acetonitrile and ester (ethyl acetate), hydrocarbons (hexane, heptane), and ether (ethyl ether).

Número de solicitud: MX19922525A **Fecha de solicitud:** 1992-05-28

Solicitante:

Abstract:

Número de solicitud: USD1122282A

Título: PAPER DRYING MACHINE

Fecha de solicitud: 0001-01-01

Solicitante:

Abstract:

Número de solicitud: FR197242213A **Fecha de solicitud:** 1972-11-28

Solicitante: ROMBOUT ANTON

Abstract:

Número de solicitud: JPI994168688A

Título: SKIN EXTERNAL PREPARATION

Fecha de solicitud: 1994-06-29

Solicitante: SHISEIDO CO LTD

Abstract: Dermal external prepn. contains extract of Muna, *Mintostachis setosa* Brig, a South American xeromorphic grassland plant, partic. at ratios of 0.005-20.0 wt.% and used for skin melanocyte inhibitor. Extract of Muna, *Mintostachis setosa* Brig, with an organic solvent (e.g. MeOH, EtOH, aq. alcohols, acetone and EtOAc) is added to cosmetics base at concn. of 0.005-20.0 (pref. 0.01-10.0) dried wt.% together with the other conventional additive (e.g. humectants, antioxidants, UVabsorption agents, thickener and skin nutrients). It is prepd. in conventional forms including ointments, cream, lotion, pack and bathing agents. USE/ADVANTAGE Used to prevent spots, freckles, chloasma and sunburn. The agent has melanin formation and tyrosinase inhibitory activity. In an example, mouse derived B16 melanoma cells were cultured in 95% O₂ and 5% CO₂ atmos. at 37 deg. C. Extract was added at concns. of 1/100-1/100000 wt.% cultured for further 3 days and microscopically observed. Slight inhibition of melanin formation was observed at a concn. of 1/1000 wt.% and tyrosinase inhibitory effect was observed at a rate of 36% at a concn. of 1/10000 wt.%.

Número de solicitud: FI19955692A **Fecha de solicitud:** 1995-11-24

Solicitante:



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Abstract:

Número de solicitud: FI19955692A **Fecha de solicitud:** 1995-11-24

Solicitante:

Abstract: An anti-cholesterolaemic avian egg or fraction is new. The fractions may include egg yolk, egg yolk protein, primarily Ig Y, and egg white. The anti-cholesterolaemic avian egg or fraction is prepd. by sensitising a female avian with a mixt. of ≥ 1 anticholesterolaemic bacterial antigens, administering boosters of the antigens at a dosage efficient to induce and maintain a hyperimmune state and collecting the egg. Also claimed are vaccines for the prepn. of an anti-cholesterolaemic egg comprising ≥ 1 anti-cholesterolaemic antigen, pref. selected from one of the 14 vaccines (A-N). USEThe fractions have beneficial effects on the vascular system by lowering or maintaining the level of serum cholesterol and lipid deposits in animals consuming the eggs or egg prods. Disorders of the vascular system, such as vascular ageing and arteriosclerosis, and development of atheromatous lesions can be treated (claimed).

Número de solicitud: FI19955692A **Fecha de solicitud:** 1995-11-24

Solicitante:

Abstract:

Número de solicitud: JP199932873A

Título: ANTIMICROBIAL AGENT | Antibacterial agent

Fecha de solicitud: 1999-02-10

Solicitante: SUMITOMO FORESTRY CO LTD

Abstract: Antimicrobial containing solvent extract of plants such as *Adenostemma lavenia*, *Andrographis paniculata* Nees, *Artocarpus heterophyllus*, *Averrhoa bilimbi*, *Borreria articularis*, *Boswellia*, *Mesua ferrea*, *Peunus boldus*, *Valeriana officinalis*, extracted by supercritical extraction method using carbondioxide. The antimicrobial is useful for inhibiting harmful microorganisms such as *Escherichia coli*, *Bacillus polymyxa*, *Sporolactobacillus inulinus*; *Clostridium thermoaceticum* (claimed) which causes food poisoning, deterioration of foodstuffs, etc. The plant extracts are useful as preservation agent for foodstuffs, cosmetics and quasidrugs. The antimicrobial preservative increases the shelf life of extensive foodstuffs and is excellent for inhibiting food poison bacteria. The antimicrobial is highly safe and does not impair the quality of foodstuffs. Preferred Solvent: Solvent is water, methanol, ethanol, propylene glycol or 1, 3-butylene glycol.

Número de solicitud: JP2005167811A

Título: AGENT FOR PREVENTING AND TREATING ALLERGIC DISEASE | Allergic disease preventive-therapeutic agent

Fecha de solicitud: 2005-06-08

Solicitante: YAKULT HONSHA CO LTD

Abstract: An Antiallergic agent contains plant chosen from *Muna* (*Minthostachys setosa*), *Macela* (*Egletes viscosa*), *Euphorbia phosphore*, velvet bean (*Mucuna Pruriens*), *Terminalia arjuna*, *achiote* (*Bixa orellana*), red raspberry, *bruceae fructus*, *Dichroa febrifuga*, *ipecacuanha*, *Myrciaria joboticaba*, *Caesalpinia ferrea*, benzoin and/or olibanum or its extract, is new. An INDEPENDENT CLAIM is included for interleukin-4 and/or interleukin-5 production inhibitor, which contains the above plants as active ingredients. Antiallergic; Antiasthmatic; Antiinflammatory; Dermatological; Immunosuppressive.No biological data given. Interleukin-Antagonist-4; Interleukin-Antagonist-5.Anti-CD3 antibody (10 $\mu\text{g/ml}$) and PBS was added to the culture medium and cultivated at 37°C. Then, the T-cell stock solution 2.10 4 piece/ well, (100 $\mu\text{g/ml}$) was added and cultivated with the *Styrax benzoin* for 48 hours. The interleukin-4 in supernatant was measured with ELISA method. The IC50 value of *Styrax benzoin* was found to be 59 $\mu\text{g/ml}$. The agent is useful in pharmaceuticals, food/beverage products and cosmetics such as capsules, tablets, paste, sausage, boiled fish paste, fermented milk products, cream, shampoo and lotion, for treating and preventing allergic diseases such as bronchial asthma, allergic rhinitis, atopic



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dermatitis, eosinophilic pneumonia and drug allergy. The agent has excellent interleukin-4 and interleukin-5 production inhibitory effect. The agent prevents various allergic diseases and is highly safe to use.

Número de solicitud: JP2005167811A

Título: Allergic disease preventive-therapeutic agent

Fecha de solicitud: 2005-06-08

Solicitante: YAKULT HONSHA KK, JP

Abstract: An Antiallergic agent contains plant chosen from Muna (*Minthostachys setosa*), Macela (*Egletes viscosa*), Euphorbia phosphore, velvet bean (*Mucuna Pruriens*), Terminalia arjuna, achiote (*Bixa orellana*), red raspberry, bruceae fructus, *Dichroa febrifuga*, ipecacuanha, *Myrciaria joboticaba*, *Caesalpinia ferrea*, benzoin and/or olibanum or its extract, is new. An INDEPENDENT CLAIM is included for interleukin-4 and/or interleukin-5 production inhibitor, which contains the above plants as active ingredients. Antiallergic; Antiasthmatic; Antiinflammatory; Dermatological; Immunosuppressive. No biological data given. Interleukin-Antagonist-4; Interleukin-Antagonist-5. Anti-CD3 antibody (10 µg/ml) and PBS was added to the culture medium and cultivated at 37°C. Then, the T-cell stock solution 2.10⁴ piece/ well, (100 µg/ml) was added and cultivated with the Styrax benzoin for 48 hours. The interleukin-4 in supernatant was measured with ELISA method. The IC50 value of Styrax benzoin was found to be 59 µg/ml. The agent is useful in pharmaceuticals, food/beverage products and cosmetics such as capsules, tablets, paste, sausage, boiled fish paste, fermented milk products, cream, shampoo and lotion, for treating and preventing allergic diseases such as bronchial asthma, allergic rhinitis, atopic dermatitis, eosinophilic pneumonia and drug allergy. The agent has excellent interleukin-4 and interleukin-5 production inhibitory effect. The agent prevents various allergic diseases and is highly safe to use.

Número de solicitud: GBD1252264A **Fecha de solicitud:** 1968-12-03

Solicitante:

Abstract: Plastic food spread comprises a substantially unworked cooled emulsion containing 70-90 per cent of an edible fat having a dilatation value at 25 degrees C of 100-400 mm³/25 g. which is dispersed in the emulsion, together with a proportion of an aqueous component of the spread, in a continuous phase constituted by the remainder of the aqueous component.

Número de solicitud: US2005218872A

Título: Composition for treatment of topical infection and methods of making and using same

Fecha de solicitud: 2005-09-02

Solicitante:

Abstract: Composition (A), for treating infection (topical infection), comprises an active ingredient comprising an extract from an herb of the family Lamiaceae; and a carrier including a thickening agent or a carrier configure to maintain the active agent in contact with a surface of a patient for an extended period of time or a moisturizing agent. An INDEPENDENT CLAIM is also included for the treatment and prevention of oral or perioral region, eyes, nongenital and genital skin or mucous membrane lesions caused by the human herpes simplex virus I comprising applying a composition containing Peperina essential oil and a carrier comprising a thickening agent to the affected area. Antimicrobial; Virucide; Antibacterial; Fungicide. No biological data given. None given. (A) is useful to treat infection (topical infection). (A) is useful to treat and prevent of oral or perioral region, eyes, nongenital and genital skin or mucous membrane lesions caused by the human herpes simplex virus I (all claimed). (A) is useful to treat bacterial and fungal infection. The ability of (A) to treat infection was assessed in human. The results showed that the duration of the flare was shorter than usual and that the pain and itch caused by the lesions were alleviated. (A) Does not irritate the infected area and is configured to reside proximate the infected area for an extended period of time. Preferred Composition: (A) further comprise an emollient (lanolin, acid glycerol ester, castor oil, jojoba oil, safflower oil or evening primrose oil); an antimicrobial agent (bee propolis or tea tree oil); and an occlusive agent. The active agent or herb extract is Peperina essential oil. Preferred Method: The step of applying the composition further comprises providing a carrier including resveratrol or an ingredient (tocotrienols, vitamin E, ascorbic acid, superoxide dismutase, catalase, astaxanthin or lycopene).



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Número de solicitud: JP2000381248A

Título: LIPASE INHIBITOR | Lipase inhibitor

Fecha de solicitud: 2000-12-15

Solicitante: FANCL CORP

Abstract: Lipase inhibitor (I), comprising an extract of a plant (P) such as *Rhodiola sachalinensis*, *R. rosea*, *Saponaria officinalis*, *Boldo*, *Pasuchaca*, *tormentilla*, *Her campuri*, *Limonium wrightii*, *Maytenus laevis*, *Cats claw*, *cinnamon*, *Japanese pepper*, *Bidens biternate*, *araliaceae*, *strawberry*, *Rose*, *persimmon*, *Hypericum erectum*, *Chinese gutta percha*, *white tea*, is new. INDEPENDENT CLAIMS are included for the following: lipid absorption inhibitor (II) containing (P); antiobesity agent (III) containing (P); hyperlipidemia improving agent (IV) containing (P); dermatological disorders improving agent (V) for treating acne, containing (P); foodstuffs containing (I)-(IV); pharmaceutical composition comprising (I)-(V); and cosmetics (I) or (V). Dermatological; Antiseborrheic; Antiinflammatory; Antilipemic; Anorectic. No supporting data is given. Lipase inhibitor; inhibitor of lipid absorption. 100 μ liters of the plant extract (containing various concentrations e.g. (in mg/ml), 1, 0.5, 0.1, 0.05, 0.01, 0.005 and 0.001, of plant extract) was added to a solution containing 50 μ liter of soybean-oil emulsion, 100 μ liter of 5 mM calcium acetate, 0.5 M Tris-HCl buffer (pH 7.4) and 10% lipase substrate. After preincubation for 5 minutes at 37 ° C, 1 mg/ml of lipase was added and incubated for 20 minutes at 37 ° C. 3.5 ml of chloroform was added and the upper layer was separated. Then 1.5 ml of copper mixture (containing 6.45% Coppernitrate (II) trihydrate, 1 M triethanolamine and 10 ml of 1 N acetic acid) was added and stirred. 0.5 ml of coloring agents were added and the lipase inhibitory effect was measured by measuring the release of fatty acid in the reaction solution. The results showed that the extract has very high lipase inhibitory activity. (I) is useful for inhibiting lipase. (II) is useful for inhibiting lipid absorption. (III) is useful for treating obesity and (IV) is useful for treating hyperlipidemia. (V) is useful for treating dermatological disorder e.g. acne (claimed). (I) is directly used as cosmetics, and also in the treatment of dermatitis and dandruff. Has very low toxicity.