Abstract:
The invention relates to medical cosmetic composition, which is based on herbal extract, and that includes the whole herbs/or parts of them: Comfrey - Symphytum officinale, St. John's Wort - Hypericum perforatum, chamomile - Matricaria chamomilla, nettle - Urtica dioica, calendula - Calendula officinalis, sage - Salvia officinalis, milfoil - Achillea millefolium, thyme - Thymus vulgaris, dog rose - Rosa canina, carrot - Daucus carota, Winter savory - Satureja kitalbilei Wierzb. ex Heuff, cucumber - Cucumis sativus, mint - Mentha piperita, Walnut - Juglans regia, parsley - Petroselinum Hortense, broccoli - Brassica oleracea L, Elder - Sambucus nigra, Melissa - Melissa officinalis, lady's mantle - Alchemilla vulgaris, cinna-mon - Cinnamomum Zeylanicum, distaff - Equisetum arvense, lady's bedstraw - Galium Verum, pepper - Capsicum annuum L, caraway - Carum carvi L, shepherd’s purse - Capsella bursa pastoris, dandelion - Taraxacum officinale, plantain - Plantago major, tomato - Solanum lycopersicum, white horehound - Marrubium vulgare, alfalfa - Medicago sativa, linden - Tilia platyphyllos, basil - Ocimum basilicum, raspberry - Rubus idaeus, Green Tea - Camellia sinensis, and daisy - Bellis perennis, the procedure for obtaining medical-cosmetic composition by extraction in ethanol or glicerine with addition of mineral water, primarily of volcanic origin. The invention also relates to the implementation of grinded herbal mix of the previously mentioned herbs, whole herbs/or their parts for obtaining medical-cosmetic composition, as well as the actual herbal mix in fresh and dry condition. The composition is used for treating diseases and disorders of facial and body skin, mucosa, blood vessels, muscle-bone system, reproductive system and thyroid gland., by spraying, i.e. in the form of spray, by which is achieved uniform application and facilitated penetration into the pores, but also in the form of roll-on bottles and wet wipes.
MEDICAL COSMETIC HERBAL COMPOSITION ON THE BASIS OF HERBAL MIXTURE AND THE PROCEDURE FOR ITS OBTENTION

This invention relates to the composition and production of herbal composition for treating the skin in a form of spray, roll-on and wet wipes. In order to obtain this composition, it is necessary to mix the appropriate amount of herbs, ethanol and volcanic mineral water.

This invention also relates to the way of packing herbal composition in the form of spray and application of herbal composition on the skin by spraying, roll-on and wet wipes. Finally, this invention relates to effects of the composition, which can simultaneously effect on different diseases and disorders of facial and body skin, throat, nose, blood vessels, muscle-bone system, male and female reproductive system and thyroid gland.

Technical field

The subject of the invention, in general, refers to the process of obtaining medical cosmetic composition, which represents an extract of herbal mixture that is used as a spray, roll-on and wet wipes. According to the International patent classification it can be classified by symbols according to MKP (7): A21C9/06; A21C11/16; A21D6/00, A21D13/00; A21D13/00; A21D13/08; A23L 1/10; A61K7/48; A61K35/78 i A61K35/78.

Technical problem

Technical problem which is solved by this invention is to how to obtain herbal composition, which is made of etanolic or glicerol extract of medicinal herbs mixture that includes: Comfrey - Symphytum officinale (root), St. John's Wort - Hypericum perforatum (flower and leaf), Chamomile - Matricaria chamomilla (flower), nettle - Urtica dioica (leaf), calendula - Calendula officinalis (flower), Sage - Salvia officinalis (leaf), Yarrow - Achilea millefolium (flower), wild Thyme - Thymus vulgaris (whole plant in flower), pomegranate - Rosa canina (fruit), carrot - Daucus carota (root), Winter savory - Satureja kitaibeli Wierzb. ex Heuff. (Above-ground part of plants in flower), cucumber - Cucumis sativus (fruit), Peppermint - Mentha piperita (leaves),
Walnut - *Juglans regia* (fruit), parsley - *Petroselinum Hortense* (leaf), broccoli - *Brassica oleracea* L. (Above-ground part of plants), Elder - *Sambucus nigra* (flower), Lemon Balm - *Melissa officinalis* (leaf), lady’s mantle - *Alchemilla vulgaris* (leaf), Cinnamon - *Cinnamomum Zeylanicum* (bark), distaff - *Equisetum arvense* (whole plant), lady’s bedstraw - *Galium Verum* (whole plant), peppers - *Capsicum annuum* L. (Fruit), caraway - *Carum carvi* L. (Seed), shepherd's-purse - *Capsella bursa pastoris* (whole plant), dandelion - *Taraxacum officinale* (root), Plantain - *Plantago major* (leaf), tomato - *Solanum lycopersicum* (fruit), white horehound - *Marrubium vulgare* (whole plant), alfalfa - *Medicago sativa* (above-ground part of plants), linden - *Tilia platyphyllos* (flower), basil - *Ocimum basilicum* (whole plant), raspberry - *Rubus idaeus* (leaf), Green Tea - *Camellia sinensis* (leaf and flower) and daisy - *Bellis perennis* (flowers and leaves), and witch can be used as medical cosmetics for the treatment of face skin disorders and diseases (acne vulgaris, blemishes caused by improperly treated acne, rash (caused by the makeup and shaving) and puffy and dark circles under eyes), body skin disorders and diseases (bacterial skin infections, fungal skin infections (Athlete’s foot, Pityriasis versicolor), eyelid stye, milia, surface wounds, rashes (hives), rash and itching after insect bites and waxing, neurodermatitis, allergic manifestations, first degree burns and sunburns, subcutaneous boils (carbuncles, furuncles), sunspots, age spots and hormone spots, lipoma, follicular keratosis (goose skin) and lichen planus, stretch marks, bedsore, scratches, scars, changes in the skin during and after Chicken Pox, blisters, ingrowth hair, warts, seborrheic dermatitis, eczema, psoriasis, hair loss, vitiligo, thickened nails), mouth diseases and disorders (paradentose, mucosal inflammation, oral mucosa wounds, aphthous ulcer, gingivitis and halitosis, throat and sore infection, acute herpetic gingivostomatitis and labial herpes), nasal disorders and diseases (Allergic rhinitis, sinus inflammation, inflammation and swelling of nasal mucosa and secretions from the nose), muscles and joints diseases and disorders (inflammatory rheumatism, rheumatoid arthritis, poor blood supply of muscles, sports injuries, dorsalgia and neuralgia), blood vessels disorder and diseases (spider veins and enlarged capillaries, ischemic surface tissue, swelling and bruises and diabetic foot), anal diseases and disorders (hemorrhoids, rectal inflammation, anus inflammation, anal fissures, anal itching and skin redness and eczema around anus), female reproductive system diseases and disorders (Bacterial vaginosis, vaginal candidiasis, Bartholin’s
glands, genital herpes, genital (outside vagina) and anal warts, sexual coldness in normal women (frigidity), male reproductive system diseases and disorders (bacterial infection and fungal infections (candidiasis), genital herpes, erectile dysfunction and benign prostatic hyperplasia) and thyroid gland disorders and-diseases (hyperthyroidism and hypothyroidism).

The state of art

There are known various methods and means for the treatment of the above mentioned diseases and disorders. For this purpose, it is used a wide variety of pharmaceutical preparations prepared by different procedures (antibiotics (local, oral and systemic), antihistamines, oral contraceptives, corticosteroids, retinoids, antifungals, antiviral drugs, analgesics, immunosuppressives, keratolyses, antirheumatics, non-steroidal anti-inflammatory drugs, and etc.), while each of these diseases is treated with one or more preparation with use additional invasive methods of treatment (surgical and laser treatments, dermoabrasion, cryotherapy, electrocauterization, chemical peeling, etc.). Using of pharmaceutical preparations and invasive methods of treatment for these disorders and diseases last longer, with a relatively low percentage of healing, a relatively high number of recurrences of a disease, as well as with a variety of side effects. Recently, there is an increased use of phytomedicine, which is based on using preparations based on medicinal herbs and there is great interest and research focused on antioxidants, vitamins, flavonoids, phytoncides, tannins, poliphenolic and other compounds that originated from medicinal plants and their role in the prevention and treatment of diseases. It is known that is necessary to mix more plants for the treatment of almost every disease, were the only problem in finding a recipe that gives the best results, as well as finding the best way of extracting which would preserve the maximum effectiveness of the herbs.

Research in technical literature and patent documents have shown that there are a number of patents that protect the procedures for obtaining herbal compositions consisting of several species of medicinal plants, as well as the composition themselves for the treatment of individual or part of the above-mentioned diseases (patent application no. P-1173/86, P-440/97, P-440/97, U.S. 7658957, U.S. 6238707, U.S. 6312736, U.S. 20090291155 and U.S. 20070212432),
but there is no patent relating to a herbal composition that is used to treat several types of diseases and disorders (above mentioned).

This herbal composition is completely natural and does not contain heavy metals (mercury, lead, etc.), which can be found in creams and sticks. Applying them to the skin, heavy metal enter the body, where they are deposited, and where they permanently damage the organs by their action.

Unlike synthetic drugs and invasive method of treatment, the application of this composition has no side effects such as irritation of the digestive tract and skin, allergic reactions and pain caused by medications, and unlike other herbal preparations, has a wider range and stronger action.

**Detailed description of the invention**

In relation to the solutions presented in the state of the art, the process of obtaining an extract of herbal mixture i.e. obtained extract of herbal mixture in the form of spray, roll-on and wet wipes, solve set technical problem in an entirely new way.

This invention is the result of years of research towards the development of herbal compositions for improving the overall health and appearance of the body. This composition contains a combination of herbal ingredients that is formulated to influence several diseases and disorders with active ingredients that have antioxidant, vazodilatatory, antibacterial, antiviral, antifungal, anti-inflammatory, adstringenic, antisepctic, aphrodisiact, antiflogistic, regenerative, stimulatory, haemostatic, cosmetic and other effects. The combination of these agents shows synergistic effect in contact with skin. Unlike other herbal-based compositions, the composition provided by this invention has a greater effect due to the unique combination of herbs and ways of applying this composition by spraying with spray and applying with roll-on and wet wipes, which increases the action of active agents because of their uniform application and facilitate penetration into the pores. This invention is a natural herbal composition which includes the following plants: Comfrey - Symphytum officinale, St. John's Wort - Hypericum perforatum, chamomile - Matricaria chamomilla, nettle - Urtica dioica, calendula - Calendula officinalis, sage - Salvia officinalis, milfoil - Achilea millefolium, wild thyme - Thymus vulgaris, dog rose - Rosa canina, carrot - Daucus carota, Winter savory - Satureja kitaibeli Wierzb. ex Heuff., cucumber -

Comfrey (Symphytum officinale)
Comfrey contains allantoin, choline, alantron, mucus, tannin, resin, rubber, Asparagine, cinoglosine, symphitine, consolicine and consolidine. Allantoin heals purulent and difficult to heal wounds, and Choline which affects blood flow, it expands the blood vessels of the skin and thereby improves blood supply.
Comfrey regenerates aged and wrincled skin by renewing it, especially wrinkles around the eyes that have emerged from the influence of various cosmetic products.
Comfrey is one of the best means for early and to external and internal, cuts, cracked skin, bone fracture, hematoma and edema, ulcers due to venous enhancement). It is also used for the treatment of rheumatic thickening of muscles and bone, thyroid gland enlargement, pain, stump after amputation, osteomalacia (softening of bones, osteomielitis (inflammation of the bone marrow), phlegmon (inflammation of connective tissue) and periostitis (inflammation of bone tissue). In addition Comfrey neutralizes insect bites.

Stinging nettle (Urtica dioica)
Nettle is rich in vitamins A and C, vitamin K, B-complex and minerals (iron, calcium, magnesium, phosphorus, sodium and potassium). It contains triterpenes, phytosterins, substantial amounts of flavonoids and chlorophyll. Nettle strengthens the skin by restoring its microcirculation. It works great in many dermatoses, especially eczema, psoriasis and lichen. It reduces
inflammation and strengthens the skin. Nettle has an effect on menorrhagia and other problems related to the female reproductive system.

St John's Wort (*Hypericum perforatum*)

St John's Wort contains iron, various tannins, (mostly catehins), essential oils, resins, anthocyan, hypericin - red color, carotene, choline, vitamin C (fresh plant about 30%), flavonic heterozides, and some traces of alkaloids. It has a broad antibacterial, antiviral and anti-inflammatory effect. St John's Wort works against many Gram-positive, Gram-negative bacteria and viruses. It was determined that hiperforin prevents development of the penicillin and methicillin-resistant *Staphylococcus aureus*. St John's Wort treats inflammatory processes on the skin, superficial wounds and burns by reducing inflammation of the skin. Since it contains a photosensitive component, it should take into account about the possibility of developing a reaction in sensitive people, especially in the summer months.

Chamomile (*Matricaria chamomilla*)

Chamomile essential oil contains azulen (dark blue color), Bisabolol, hamazulene, spathulenol, proazulenes (matricin and matricarin), chamavioline, sesquiterpenes, stearine, phytoesterine, flavonoids (apigenin, apigetrin, quercetin), coumarin (umbeliferone, dioxicoumarin) nicotine, organic acids, salicilske acid, vitamins C and B groups, carotene, calcium, phosphorus, sulfur, bitter substances, tannin, gum, wax, etc.

Chamomile has a soothing effect on skin, where skin gets a healthy color and uniform tan. It also works against inflammation of the skin and mucous membranes, because it has good antibacterial, antiviral and fungicidal effects. As antiflogistic, chamomile is used to treat a variety of burns and wounds.

Chamomile's most pronounced ativity is anti-inflammatory activity in all inflammatory processes, whether are they internal or external, burns, sun burns, cuts, wounds and various skin impurities (face and body). It is also effective in treating puffy and dark circles under eyes, conjunctivitis, irritated eye whites, blurry, tired and red eyes, headaches, gingivitis and bad breath from the mouth, hemorrhoids, arthritis and diseases of female reproductive system (whitish vaginal
discharge, menstrual cramps, inflammation, and various bacterial and fungal infections (Candida)).

Marigold (*Calendula officinalis*)

Marigold contains tannins, saponins, lycopene (which is a good antioxidant), proteins, xantofil, carotenoids (they give flower color), calenduline, minerals and bitter substances.

Neven exhibits antiseptic, antibacterial and fungicidal effect and it is applied for a treatment of bacterial and fungal infections of the skin. It is useful for removing toxins that accompany various chronic infections, feverish conditions and skin diseases such as eczema, acne and dermatitis. In cosmetics and medicines, it is used for care and protection of the skin (massage, dry skin, nipple and areola cracks, laminate skin, protection from UV radiation, boils, acne, ulcers, burns, etc.).

Marigold has a remedial action on eyes by improving vision, which is a result of the presence of carotenoids (provitamin A) in it. Neven has an effect on healing wounds on the skin and the closure of long-term inflammatory process on it. In terms of stimulating growth of new, healthy tissue, intensively increases cell division, and by effects on healing, as well as a range of indications in this area, calendula is like Comfrey, i.e., its action is similar to action of allantoin in Comfrey. Marigold removes purulent discharge in festering diseases (the nail root purulent infection, etc.). It causes an increase in the level of defense capabilities of the organism, reinforcement of the immune response and general tonization and refreshment.

Sage (*Salvia officinalis*)

The main medicinal ingredient is volatile and smelling sage essential oil, which is contained in amount range from 1.5% to 2.5%. Pungency and healing comes from the tannins. Sage expressed adstringenic, antiseptic and antimicrobial effects (so-called broad spectrum antibiotics), so it is recommended for all skin inflammation (ulcers and wounds), regulates perspiration, improvement of the skin tonus, helps with inflammation of the mouth and teeth festering inflammation, strengthens the gums and teeth and treats rheumatism.
It has an effect on female reproductive organs diseases such as vaginitis and whitish vaginal discharge. Sage is toxic in large quantities and should not be taken for a long time.

Yarrow (*Achillea millefolium*)

Yarrow contains essential oil azulen, flavonoids, vitamins K and C, bitter substance achilleine, resin, sterols, tannins, carotene and others. It has an effect on wound healing as hemostptic, and for external use is used as antiflogistic, like chamomile. Yarrow has an effect on cracked skin of hands, vulnerable breast and nipples, as an antiseptic in burns, skin inflammation, various skin impurities (acnes, abscesses, eczema, and lichen), rash, seborrhea and psoriasis. Yarrow can be used in treatment of bleeding wounds and for removing hematoma and tumors.

Yarrow is used for the treatment of female reproductive system diseases such as inflammation processes caused by *Staphylococcus aureus*, *Bacillus subtilis*, *Mycobacterium smegmatis*, *Escherichia coli*, ovarian diseases, cramps, whitish vaginal discharge, amenorrhea, reinforced menstrual bleeding, absence of menstruation and menstrual cramps.

Yarrow has an effect on gingivitis, circulatory disorders, varicose veins, hemorrhoids and bleeding hemorrhoids. Yarrow is used for the treatment of the bone diseases as arthritis, rheumatism and rheumatic pain. It is known as a refresher of the organism, and it is also used for back pain, bad breath from the mouth, sweat reducing and toothache.

When using yarrow it should take into account about the possibility of developing allergy in sensitive people. So, people with sensitive skin should use only young, just blossomed plants.

Wild Thyme (*Thymus serpyllum*)

With the essential oil (*Aetheroleum Serpyllt*), in the plant are also thymol and carvacrol, which have great antiseptic power, saponins, glycosides, tannins, and significant amounts of manganese.

Wild Thyme nurtures dry, sensitive and oily, and soothes irritated and inflamed skin, regenerates and rejuvenates, reduces wrinkles, eliminates stretch marks, cures acne, herpes, wounds and sores. It helps with varicose veins and hemorrhoids, calms inflammation of the mucous membrane of mouth and disinfects.
It can prevent many inflammatory processes and reduce pain in diseases such as rheumatism, arthritis, gout, neuralgia, sciatica and lumbago.

It is considered as a good aphrodisiac and it is used for treating infertility.

**Rosehip (Rosa canina L)**

Rosehip has very large amounts of vitamin C and it is particularly important that it couldn't be lost by thermal treating, but the amount of vitamin C does not remain constant for a long time and after one year amount of vitamin C is reduced to only one-fourth of its original value. Besides vitamin C, rosehip contains vitamins A, D, E, B, B2, PP and K, fatty acids, flavonoids and some essential oils.

The juice contains three types of polyphenols - tannins, anthocyanos and ellagic acid, which is very powerful antioxidants that protect cells on a molecular level from the devastating effects of free radicals.

Rosehip has an effect on regeneration and rejuvenation of the skin, healing scars, burns, stretch marks and removes wrinkles, helps treat hyperpigmentation and acne, eczema and dermatitis.

**Broccoli (Brassica oleracea)**

The fresh broccoli contains vitamin A, C, E and B2, manganese, sodium, calcium and iron. Broccoli is an excellent antioxidant. Because of vitamin C termolability, broccoli should be used raw. Broccoli contains sulfurafan that supports the natural defense mechanisms of the organism in the fight against cancer.

**Carrot (Daucus carota)**

Carrots contain carotene (provitamin A), vitamin B group, vitamin D, PP, E and H, and essential fatty oils, pectin, phytosterin, asparagine, glutamine, galactan, pentosan, Inositol, potassium and other minerals. There is more carotene in carrots than in any other plant. It is used to treat wounds and burns and in the treatment of rheumatism and gout.
Winter savory (*Satureja kitaibelii* Wierzb. ex Heuff)
Winter savory contains essential oil and tannin. Oil has a lot of carvacrol, cimen, terpinene, and some unknown phenols. Because of phenolic compounds in ethereal oils winter savory acts as an antiseptic. It is used externally to treat various skin inflamations.

Elder (*Sambucus nigra*)
Elder contains essential oil, terpen, mucous substances, tannins, potassium nitrate, choline, glucoside and has antirheumatic and anti-inflammatory effect. It is used for treatment of eyelid stye, eczema, urticaria, furuncules, edema, and rheumatism.

Cucumber (*Cucumis sativus*)
Cucumber contains a large amount of mineral substances, of which about half makes potassium, and the other half calcium, phosphorus, sodium, iron, manganese and iodine. A high percentage of potassium and a small percentage of sodium give cucumber a highly effective feature. It stops aging due to high amounts of vitamin E, especially in the core, protects the skin from free radicals that destroy cells and accelerate aging, tightens the skin as it contains traces of silicon, tightens the connective tissue and thus the face. Strengthens the skin, and stimulate the production of collagen in the body, without which there is no healthy skin. It cleans the skin because it contains a significant amount of mineral salts, including zinc, which is an effective agent for cleansing the skin. Cucumber has an effect on skin diseases of the head, face and hands (lichen, sun spots, acne and pimples, inflamed skin, burns and bedsores). It helps women in menopause, in treatment of hemorrhoids, strengthening the eyesight, as well as in the rehabilitation of insect bites.

Walnut (*Juglans regia*)
Walnuts contain folic acid, and the green unripe fruit, or just the green husk contains large amounts of vitamin C and iodine. It is used for treatment of various tumors and festering
wounds of all kinds. Very good results are achieved with pimples, scabs on head, the beard lichen and festering rash.

Parsley (*Petroselinum Hortense*)
After the rosehip and blueberries, parsley leaf contains the most vitamin C. Besides that, it is rich in carotene, vitamin B, even so rare vitamin B12, mineral ingredients, of which is half potassium. There is also a significant presence of iron, calcium, manganese, magnesium, and copper. Parsley leaf has a positive effect on circulation, inflammation of the eyes, sun spots and stains on the skin caused by hormonal disorders, promotes menstruation and is used to treat insect bites.

Basil (*Ocimum basilicum*)
Basil contains essential oils, methyl-cineole kalvikol, tinol, lineol, camphor, acid glycosides and saponins, as well as many other more under-researched materials. Basil has antibacterial and soothing effect. The ethereal oil has Estragol, cineol and other antiseptic ingredients that are used as a preservative, because they prevent the development of many microorganisms and destroy them. Basil possesses antibacterial, anti-inflammatory and calming effect. It is used to treat skin diseases (inflammation), ease pain and swelling in the joints, and for treating arthritis.

Lady's mantle (*Alchemilla vulgaris*)
Lady's mantle contains tannins (gallotannins) ellagitannins, flavonoids and other substances, and it has coagulative, adstrigenic and styptic effect. Lady's mantle shrinks and tightens tissue, supports the expulsion of water from the body. It is used for treating inflammation, suppurative wounds, sores and breaks, wounds, stabs, cuts, varicose veins and capillaries, muscle weakness and weakness of limbs. In addition to lady's mantle beneficial effect on irregular and painful menstruation, inflammation accompanied by the appearance of secretions, genital symptoms, discomfort of menopause, uterus injuries and dropped uterus, and together with milfoil it can regulate irregular menstrual cycle in early puberty.
It is used for women who gives birth difficulty to treat uterine weakness, and to protect from abortion. When mixed with shepherd's-purse (*Capsella bursa-pastoris*), lady's mantle is a universal cure for all diseases female reproductive system.

It is believed that the lady's mantle alleviates rheumatic pain. New research shows that some substances in the lady's mantle help prevent the growth of *staphylococcus*, the bacterium that has become resistant to many antibiotics.

Lady's mantle can not take people who have problems with gallstones and those who suffer from gastroenterologic diseases.

Peppermint (*Mentha piperita* L)

Peppermint contains the essential oil of menthol and menton and has antibacterial, antiviral, antifungal and cooling effect, and it is used externally to reduce pain. Nana is used for treatment of unpleasant breath with gum and tooth diseases. Menthol is one of the components of essential oils, which, locally applied, reduces pain and cools, and it is used for treatment of various rheumatic conditions and neuralgia. Nana is famous for its spasmolytic effect, ie. for its ability to relax smooth muscle.

Shepherd's-purse (*Capsella bursa pastoris*)

Shepherd's-purse contains essential oil, mustard oil, bursine, bursinic acid, disometin, hesperatin, Tyramine, choline, acetylcholine, resin, histamine, rutin, flavonoids, saponins, sulfur, phosphorus, potassium, calcium, sodium, iron, carotene and vitamins C, Bl, B2 and K.

It is abortive, adstringent, aphrodisiac, antibacterial, antiphlogistic, antioxidant, drastic, detoxicant, chemolytic, hemostyptic, metabolic, regenerator, styptic, stimulant and vasoconstrictor.

Shepherd's-purse squeezes the blood vessels, and therefore it is used to stop bleeding nose, bleeding veins on the legs, continual bleeding, the womb bleeding and too strong menstruation (regulates bleeding in puberty and menopause). It is used for treating atrophy, i.e. dying muscles. Also, shepherd's-purse has effect on gout, rheumatism, neuralgic pains in the back, inflammatory condition of joints and arthritis.
Lemon balm (*Melissa officinalis* L.)

Essential oils have antibacterial cells, antifungal, antioxidant, antiviral, sedative, narcotic and spasmylytic action. Citral and citronella have a calming effect on the central nervous system. Balm stimulates hormonal activity, and it is used for treatment of thyroid gland disorders. It is used in treatment of skin diseases like *herpes simplex* and *herpes labialis*. It is also used in the face and body cosmetic for skin with various skin impurities.

Pepper (*Capsicum annuum* L.)

Red pepper contains mineral ingredients, vitamin C (the amount depends on the variety), vitamins Bl, B2, PP, P, iron, phosphorus, calcium, potassium, sodium, alkaloids capsaicin (hot taste), carotene and caratenoids, capsanthin and capsorubin (red color), solanine, lutein, solasodine, citrine, xanthophyll, cryptoxanthin and aromatic substances. Vitamin value of vitamin C is supplemented by vitamin B complex and vitamin P, which is in charge of peripheral circulation. Capiscin, medicinal ingredient of pepper, with bitter taste, which has the highest content in the inner pepper veins, has antiseptic effect. It is believed that pepper has aphrodisiac properties based on its influence on strengthening of the circulation. Cayenne pepper is used to treat rheumatic pain, neuralgia, lumbago, arthritis and various inflammatory processes, early fase of infectious diseases, a consequence of infection with *herpes zoster*, and hemorrhoids.

Distaff (*Equisetum arvense* L.)

Distaff contains silicon dioxide, Saponin equisetonin, which dissolves in water, and it hydrolyzes on levulose, arabinose and crystal aglicon equisetogenin. There is more aconitic, oxalic and malic acids, resins, tannins, pectin, flavonoid heterosides, vitamin C, carotenoids and bitter substances.

Distaff has astringent, antiseptic, haemostatic, diuretic and antiinflammatory effect. Because it is rich in silicon dioxide, distaff is the most used in problems with connective tissue and cartilage. Silicon is an integral part of bone, cartilage and connective tissue, and it is used in the treatment of fractures, for bones healing and ligament injuries. It is known that the amount of silicon in the
bones, connective tissue, ligaments, arteries and skin decreases with age. Distaff represents a replacement and one of the natural methods of prevention and natural treatment. Distaff can be used for the healing of bone fractures, injuries of ligaments and the treatment of gout, rheumatism and edema. Distaff is used for treatment of minor injuries to stop bleeding (bites, scratch), menorrhagia, bleeding gums, varicose veins and hemorrhoids. It is used for the treatment of skin diseases and cleansing impure and oily skin (effectively reduces enlarged pores, eliminates acne and pimples and clears and tones the skin).

Daisy (*Bellis perennis* L.)
Daisy is a natural, antiseptic, analgesic, emollient, homeopathic, metabolic, and tonic. As homeopathic, daisy has an effect on muscle fibers and blood vessels. It cools, relieves pain and strengthens. It is used to treat skin diseases (inflammatory wounds, burns and various skin impurities, eczema, edema, varicose veins, and a variety of wounds and scabs on his head). Daisy is used for treatment of strains, rheumatism, gout, arthritis, diseases of female reproductive organs (irregular and painful menstrual cramps and womb), and to rinse the eyes under inflammatory process.

Plantain (*Plantago major*)
The plantain has heterosides aucubosides and invertase, emulsin, tirosinase, coagulase, tannin, pectin, lemon acid, vitamin C, saponosides and phytoncides. Plantain has a strong antibacterial power and it is used for treating of various skin and mucous membranes inflammatories, and cuts.

Dandelion (*Taraxacum officinale*)
Dandelion contains taraxacin and taraxacerin which are bitter, hydrosoluble heteroside substances that are in the highest ratio in the milky juice. The root contains besides them an enzyme choline, essential oils, resins, fatty acids, a lot of inulin, phytosterols, from which are isolated terpen alcohols: taraxasterol and beta-amyrin.
Dandelion root purifies and strengthens the body. It is useful for treating skin diseases (eczema, ulcers and allergies). Helps in treating gout and rheumatism, and for regulating irregular menstruation.

Caraway (*Carum carvi L*)
The main ingredient is caraway essential oil. There are more fatty oils, proteins, tannins, resins, wax, mucus, color, calcium, phosphorus, iron, magnesium, sodium, potassium, zinc, and vitamin A, B1, B2 and B6. Caraway has, among other things, aromatic, antiseptic and ophthalmic effects. It is used to treat menstrual problems, uterine cramps, stimulate, strengthens and warms the mucosa and has no harmful effects. It is also used for refreshing breath, for treating toothache and carpal-tunnel syndrome, because it reduces pain in the hand.

Linden (*Tilia platyphyllos*)
Linden contains little essential oil, tannins, and vitamin C. Linden's flower is used for pain mollification as a very mild agent and for healing burns and wounds.

Green Tea (*Thea sinensis L*)
Green tea leaves are rich with fluorine that prevents harmful effects of caries bacteria in the oral cavity. Tea also contains important minerals for human health, such as potassium, copper, iron and manganese. It contains theophylline and theobromine. It is used for wounds healing, skin care, oral cavity care, treating growths on the skin, dandruff in hair, burns and acne. Some ingredients of tea (quercetin, kaempferol and myricetin) prevent the development of cancer. The tea has been proven to have antimicrobial activity and deodorant effect.

Lady's bedstraw (*Galium Verum L.*)
Lady's bedstraw contains galiozin, aucubin, saponins, organic acids, red color and vitamin C. It belongs to a group anticarcinomic, antiinflammatoric, antipyretic, antispasmatic, adstrigenic, detoxicant, diaforetic, diuretics, dermetic, hemostyptic, cosmetics, lymphatic, sedation,
secretolitic and toning. It is used to treat skin conditions (different skin impurities, lichen, eczema, psoriasis and skin tumors), and bleeding.

Raspberry (*Rubus idaeus*)
Raspberry leaf is used to rinse mouth for mucous inflammation, inflammation of the throat, treat menstrual and hormonal disorders, strength the uterus, prevent miscarriage, infertility in women, vitamine deficiency disease and eczema.

Cinnamon (*Cinnamomum Zeylanicum*)
Cinnamon is the aromatic, hemostatic, nervinum and adstrigens. Cinnamon has a significant antioksidative effect and it contains wax, iron, calcium, manganese, metal hydroxide halcon-polymer (mhcp), minerals and tannins. Cinnamon is an antiseptic, so it can be used for cuts, abrasions and dermatitis, allergic rhinitis and dental and oral cavity diseases. It is used for treatment of viral infection, Candida infection, menstrual cycle disorders, vaginal infections, and impotence. Cinnamon has an effect on the poor circulation. In addition, it is also used for treating arthritis.

Tomato (*Solanum lycopersicum*)
Tomato contains minerals (potassium, phosphorus, calcium, magnesium, sodium, iron, zinc, copper and sulfur), vitamins (A, B1, B2, B6, PP, c, E and k) and from other materials it contains organic acids (malic and citric), lycopene, pectin and cellulose. The red color of tomato comes from lycopene, a plant pigment soluble in fat (belongs to carotene family). Tomato is the main source of lycopene, a powerful antioxidant and antiancerogene substance. It helps with rheumatism and it is considered as a cancer killer. Lycopene has a tendency to deposit in tissues, primarily in the prostate, liver and adrenal glands. An increased level of lycopene in the tissues reduces their oxidative damage. In particular, lycopene with other antioxidants the free radicals and link together neutralize their harmful effects and improve overall antioxidative status of the whole body. It has a protective effect on the skin and improves the skin tone and can reduce wrinkles, because it contains large quantities of procollagen, which protects the skin elasticity.
Alfalfa (Medicago sativa)

Alfalfa is rich in proteins, minerals and trace elements, vitamins C, E, A and B, flavonoids and chlorophyll. It is used for treating various conditions of arthritis and skin diseases. It has a beneficial effect in the case of frequent bleeding from the nose, strengthens the blood system and has a mild antimicrobial effect. It contributes to the healing of erosion, ulcers, open wounds and helps fight the infection. Alfalfa contributes to reduction of inflammatory process, and because of that, it is used for treatment of arthritis and rheumatism. There is assumption that the active ingredients of alfalfa are able to slow the development of fungi. Alfalfa has a slow and deep effect, and because of that, it can be applied to all chronic diseases.

White horehound (marrubium vulgare)

White horehound is used to treat diseases of female reproductive organs, sterility, and to normalize the menstrual cycle and balance hormones.

The process of obtaining extract of herbal mixture composition, according to this invention, consists of three phases:

1. Maceration - maceration is the first step of preparation, where the plants (can be used fresh and dried) are chopped in small pieces or clips. Plants can be chopped and ground in a blender, mixer and chopper grinder. This step of preparation is very important, because the finer plant is divided, it is the bigger surface exposed to the extraction.

2. Extraction - Extraction is the second step of preparation where the above mentioned herbs are mixed with ethanol-aqueous or glicerol-aqueous media, in order to be extracted. Herbal mix is mixed at a rate of 1:4 to 1:7, preferably from 1:4 to 1:6 with a mixture of 50–90% of 96% ethanol and 10–50% volcanic mineral water, and the preferably 60–80% of 96% ethanol or glycerol and 20–40%, volcanic mineral water.

After mixing, the mixture is poured into oak, acacia, beech, pine, plum, cherry, sour cherry apple, pear, chestnut or mulberry barrels and left to settle for 15-45 days, preferably 20-30 days, with occasionally stirring. This process can be carried out in glass, plastic, metal or wooden vessels filled with evenly spaced wooden palettes (oak, mulberry, beech, acacia, pear, cherry, soar cherry, plum, chestnut, apple, pine and fir) with size of 10x100x1000 mm. Palette contact area with the above mixture is 10–150 cm² / l, preferably 70–100 cm² / l of composition. Wooden slats
serve to increase the contact area with the mixture, by which is achieved speeding up the
process of forming the final composition. In addition, the dissolution or breakdown of the
ingredients that make the basic structure of the wood of which are made slats (lignin,
hemicellulose, tannin) creates a series of aromatic alcohols, aldehydes, pentoses, hexoses and
tannins that give flavor and color to the composition.

3. Percolation, packaging and storage of composition - After aging is done, the first
obtained liquid phase is pouring in a wooden barrels, or glass, metal and plastic with palettes
10x100x1000 mm in order to maintain the necessary contact surface composition - palette of
10-150cm²/l, preferably from 70-80 cm²/l (hereinafter referred to as container), and the rest is
extracted with the roller presses with one or more pairs of horizontal or vertical cylinders, screw
press with the ability of cooling screw and stator itself, hydraulic, pneumatic and manual
presses. The resulting second liquid phase obtained from press is mixed with first liquid phase in
the container. Then, the resulting semi-dry residue is placed in filter bags and pressed in
hydraulic press with up to 500 bar pressure in the metal chromium nickel perforated container
that is made of vertical circular fixed slat each in interval of 2-15 mm, or centrifuge. The third
phase obtained is outflowed in the above mentioned container and mixed with two other
previously obtained liquid phases. This mix is left to age for 30-180 days, where new reactions
and natural sedimentation occur, fine deposition of plant sediment and complete of
clarification of composition. Vegetable cake obtained from the first and second phase of the
pressing is used as an ecological fuel (which is obtained by cakes briquetting) in the densely
populated area. Composition obtained in this way is packed in a spray bottle with a
micro pump and used in a spray. Bottle-packaging can be made of aluminum, chromium - nickel
steel, plastic, or glass (amber, cobalt, or in any other colors that prevents contact of sunlight with
the composition). Micro spray pumps can be made of aluminum, chromium - nickel steel or
plastic, with a capacity of 50-500 µl, and the best results with micro spray pump with a capacity
of 130-160 µl. In addition, the composition is packed in the form of roll-on and wet wipes. Thus
prepared composition has the durability to two years.

Based on perennial research, it was realized an idea of way of getting a more natural,
environmentally acceptable composition, obtained in the natural conditions, related to the one
from which it originates and which do not contain heavy metals, chemical detergents and chemical components for the care and treatment of skin, body and mucous membranes. With careful selection of herbs which are extracted in different percentage relationships in aqueous alcohol or aqueous glycerol solvent, carefully selected volcanic mineral water, container and type of materials from which are they made, as well as with contact slats that catalyze with their contact new natural reactions, there were obtained very significant new natural chemical compounds that significantly shape this preparation into natural preparation for the treatment and care of the body, which is used in spray, roll-on and wet wipes. There were performed numerous tests, where the herbal composition is applied at least on 300 people, with very satisfactory results achieved.

In this regard, the composition provided by this invention is used as medical cosmetics for treating various diseases and changes on the skin and body that are grouped here, according to treatment methods, formulation of preparations and their relationship:

1. **Face skin disorders and diseases**

- **Acne vulgaris**

Using of composition leads to a balancing of the natural sebum level and the establishment of equilibrium. Subcutaneous pimples (acne) under inflammation treated 3-4 times a day with preparation disappear in a period of 7 days.

Pimples that appear in PMS disappear within 1-2 days with preparation use.

- **Acne spots**

Treating stains caused by unregular treatment of acnes by preparation 3-4 times within 3-4 days leads to a significant reduction of irregularities. With further treatment stains are equated with healthy skin.

- **Erythema (caused by shaving and make up)**

Using of composition after shaving, leads to a mild burning and calming the skin.

After frequent use of make-up, or due to lack of safety measures on its period of duration, appears itching and unpleasant feeling of tension and rough skin. The composition is applied on
a clean face at evening. Already in the morning were the first noticeable signs of the disappearance of itching and rough skin of the eyelids and face.
- Puffy and dark circles under eyes
Using of preparaton leads to liquefaction of fat under the skin of puffy circles under eyes and tightening the skin.
- Wrinkles
Wrinkles treated with this composition for a period of one month have lost on depth and disappear as the skin has tightened.

2. Body skin disorders and diseases
- Bacterial skin infections
After using composition 6-7 times within 3-4 days, a retreat caused by bacterial infection occurred. Prolonged use leads to wound healing and the skin becomes soft and healthy.
- Fungal skin infections (Athlete's foot, Pittiriasis Versi color)
Pittiriasis Versi color - After using composition for a period of 10 days, there is a visible withdrawal of white spots, and with further treatment to 30 days, white spots completely disappear.
Athlete's foot- After using composition for a period of 8 days, there is a visible withdrawal of symptoms (redness, blistering, and scaling along the sides and soles of the feet, scaling and peeling in the toe webs), and with further treatment to 15 days, symptoms completely disappear.
- Eyelid Sty
Composition applied by spreading on the eyelid has removes eyelid sty for a day.
- Milia
Composition applied on the region around the eyes 3-4 times a day, removes the milia for 15 days.
- Surface Wounds
After using composition 3-4 times within 3-4 days, there was a withdrawal of redness. Prolonged use leads to wound healing and the skin becomes soft and healthy.
- Rash (hives)
A rash of pimples 15 days old, which covered 40% of the skin surface, was treated with the composition for 21 days. After the fifth day, first pimples have started to retreat and the suppurative pimples have started to disappear after 10 days, up to 21 days.

- Erythema and itching after insect bites, waxing
After one application of composition by spraying on mosquito bites, affected area stops itching and redness and blisters disappear.

Use of composition on irritated and red skin after waxing leads to skin soothing and regenerating.

- Neurodermatitis
On the surface of the skin that was affected with 4-5 years old neurodermatitis, after 5 days are observed changes, and after 10 days it was observed withdrawal of the dark stains from the body, and after 40 days stain withdrew completely.

- Allergic manifestations
After using preparation 3-4 times within 4-5 days there was a withdrawal allergic manifestation.

- First degree burns and sunburns
Redness on the skin which is consequence of long exposure to the sun was treated with composition by spraying 6-7 times during the day. There was a withdrawal of redness and the appearance of a beautiful copper color.

- Subcutaneous boils (carbuncles, furuncules)
After using composition 6-7 times within 3-4 days a retreat of subcutaneous inflammation caused by bacterial infection occurs. With further use, part of the skin beneath which was a subcutaneous abscess comes in line with healthy skin. Subcutaneous inflammation disappears and tissue remains healthy and without pain.

- Sunspots, age spots and hormone spots
After using composition 3-4 times a day within 3-4 days, a removal of sun spots occurs.

More expressed sunspots pale and withdraw after using of composition for about 30 days. Spots on the skin of young people face and arms due to sun exposure were removed by using composition, and skin has become clean and shiny.
The dark spots (7 spots) on the belly, above the pelvic bone (size 15-20 mm) have disappeared for 15 days.

- Lipoma
After using composition subcutaneous fat of diameter $R = 30mm$ and thickness of 7mm disappeared, for 10 days, and subcutaneous adipose tissue of diameter $R = 2-3mm$ disappeared within 3-4 days.

- Folicular keratosis (goose skin)
After using composition 3-4 times a day for a period of 4 days, a renewal and the disappearance of rough (goose) skin occurs.

- Stretch marks
Using of composition 3-4 times within 7-14 days leads to a significant disappearance of stretch marks. With further treatment, treated skin is equated with healthy skin.

- Scratches
After treating scratches with composition 3-4 times within 3-4 days, a loss of damaged skin occurs.

- Scars
After using composition for operative scar treatment within 3-4 days, a significant reduction in the pigmentation around the scar occurs. With further treatment visible scars disappear.

- Changes in the skin during and after the Chicken Pox
Treatment of skin changes during Chicken Pox with composition 3-4 times a day leads to itching disappearing, rash retreating, skin becomes soft and a places where the Chicken Pox where had left without scars. Treatment of scars on the skin after the Chicken Pox with composition 3-4 times within 6-7 days leads to a significant reduction in the irregularities. With further treatment treated scars are equated with healthy skin.

- Blisters
After using composition within 2 days, blisters caused by uncomfortable shoes disappear.

- Ingrowth hair
Few ingrown hairs on the thigh, accompanied by pain, redness and swelling were treated 3-4 times a day, and changes were withdrawn within 4 days.
- Warts
Warts, treated with composition for a period of 7-10 days are beginning to dry and fall out without a visible trace.

- Seborrheic dermatitis
After using composition 3-4 times within 3-4 days, redness caused by seborrheic dermatitis retreats. With further use within 7-10 days, skin peeling disappears.

- Eczema
After using composition within 7-14 days, an improvement and disappearance of eczema occurs.

- Psoriasis
After using composition on body parts that are affected by psoriasis for a period of 10-20 days, a visible improvement of skin appearance and reduced involvement of the skin alterations up to 70%.

- Hair loss
After using composition for a period of 7-14 days there was a significant reduction in hair loss. With prolonged use, hair has become strong, healthy and falling stops.

- Vitiligo
On the skin surface covered with white patches on the wrists, knees and around the eyes that are 8 years old with sizes in the range of 30 - 40cm², after 5 days of treatment with composition there were observed signs of bleach withdrawal. After 15 days area covered with white stains decreased to half, and after 40 days, white stains have disappeared.

- Thickened nails
After using composition for a period of 5-10 days, a complete regeneration of the nail occurs.

3. Mouth disorders and diseases
- Paradentose disease
After using composition for a period of 7-14 days, a strengthening of gums and loss of inflammation occurs. With further use, diseased gums are equated with healthy and teeth became firmly implanted.
- Mucosal inflammation, oral mucosa wounds, aphous ulcers, gingivitis and halitosis
  After using composition for a period of 4-6 days, complete regeneration of oral cavity occurs.

- Throat and sore infection
  After using composition for 3-4 times a day spraying directly into the oral cavity and affected area in throat, there was a cessation of the symptoms, and after 5 days, tissue became totally healthy with restored normal functions.

- Acute herpetic gingivostomatitis
  After using composition 3-4 times for 3-4 days, a cessation of the symptoms occurs, and after 5 days, there was no any symptoms related to by acute herpetic gingivostomatitis.

- Labial herpes
  After using composition within 2 days, herpes disappeared without traces of its existence.

4. Nasal disorders and diseases
   - Allergic rhinitis
     After oral use of composition there was a loss of itching in the throat and nasal use of drugs leads to the termination of runny nose and watering eyes.

   - Sinus inflammation, inflammation and swelling of nasal mucosa and secretions from the nose
     After using composition, opening of respiratory pathways and better respiratory capacity (opening the sinuses) occurs.

5. Muscles and joints disorders and diseases
   - Inflammatory rheumatism - rheumatoid arthritis
     With regular use of composition, there was a cessation of pain in the joints, increased blood circulation, blood vessel regeneration and nutrition and regeneration of cartilage.

   - Poor blood supply of muscles
     After using composition for 3-4 times a day there was a better blood supply to the muscles, but after the first day when the blood supply to the full regulation occurred after 3-4 days.

   - Sport injuries
     After using composition 3-4 times a day there was a sports injury relief and after the first day,
and better blood supply of muscles and the regulation of all the problems caused by sports injuries occurs already after 3-4 days.

- Neuralgia
After using composition for a period of 5-10 days there was a cessation of all neuralgia symptoms.

- Dorsalgia
After using composition 3-4 times for 3-4 days there was a cessation of back pain, and after 10 days, symptoms completely dissipated.

6. Blood vessels disorders and diseases
- Spider veins and enlarged capillaries
Densely arranged capillaries visible with the naked eye treated with composition for a period of 10-20 days, 3-4 times a day, have disappeared.
Visible spider veins treated with composition within 15-20 days significantly withdrew and became relatively invisible.

- Ischemic surface tissue
After using composition for 3-4 times, there was a better blood supply to the surface tissue after the first day, while complete regulation occurred after 3-4 days.

- Swelling and bruising
After using composition in location of edema, bruising and impact, a retreat occurs in a very short time.

- Diabetic foot
After using composition for a period of 10 days, there was a visible withdrawal of symptoms problems, and with further treatment to 30 days, a complete disappearance occurs.

7. Anal diseases and disorders
- Hemorrhoids
After using composition for 5-10 day on external hemorrhoids, a complete withdrawal occurs.

- Rectal inflammation
After using composition for 3-4 days on affected area there was a complete withdrawal of inflammation.

- Anus inflammation
After using composition for 3-4 days on affected area there was a complete withdrawal of inflammation.

- Anal fissures
After using composition for 3-4 days on affected area there was a complete withdrawal of anal fissures.

- Anal itching and skin redness
After using composition for 3-4 days on affected area there was a complete cessation of anal itching and redness.

- Eczema around anus
After using composition on external hemorrhoids, a complete withdrawal occurs.

8. Thyroid diseases
- Hyperthyroidism
After using composition from 3 to 4 times a day with applying it on the skin of the front neck, below larynx, during 3-4 days, a withdrawal of symptoms caused by hyperthyroidism occurs.

- Hypothyroidism
After using composition from 3 to 4 times a day with applying it on the skin of the front neck, below larynx, during 3-4 days, a withdrawal of symptoms caused by hypothyroidism occurs.

9. Female reproductive system diseases and disorders
- Bacterial vaginosis
For treating bacterial vaginosis composition is used 3-4 times within 3-4 days. Vaginal flora becomes regulated and with further use the tissue becomes soft and healthy.

- Vaginal candidiasis, Bartholin's gland
After using the composition for a period of 10 days, there is a visible change and withdrawal of fungal alterations and secretion and with further treatment until 30 days, this treatment leads to the complete disappearance.

- Genital herpes
Genital herpes is removed using composition within 5 days and does not leave any traces of its existence.

- Genital (outside vagina) and anal warts
After using composition for a period of 7-14 days, a withdrawal of external condyloma occurs.

- Sexual coldness in normal women (frigidity)
Spraying of composition directly into the vaginal canal 20 minutes before sexual intercourse, leads to the stimulation and reinforcement of sexual urge with noticeable regeneration of clitoris.

10. Male reproductive system diseases and disorders

- Bacterial infections
After using composition 6-7 times within 3-4 days, a withdrawal of inflammation caused by bacterial infection occurs. With further use, skin becomes soft and healthy.

- Fungal infections
After using composition for a period of 10 days, there was a visible change in fungal infection withdrawal, and with further treatment to 30 days, this treatment leads to the complete disappearance.

- Genital herpes
Genital herpes is removed using drugs within 5 days and does not leave any traces of its existence.

- Impotence
After spraying composition 20 min before sexual intercourse on men genital area, a better blood flow, which affects erectile ability and leads to the extension of sexual pleasure, occurs.

- Benign prostatic hypertropy
After applying of composition anus region to pubic bone 3-4 times per day 15 days, a disappearance of symptoms, such as the night, difficulty and frequent urination occurs.

Examples of performance

Example 1

The process of obtaining a mixture of herbal extracts for treating skin disorders and body, blood vessels, mouth, throat and thyroid gland.

Content of herbal mixture to 1000 kg, obtained according to the procedure shown in the invention, which is given in Table 1, is chopped and grinded in a grinder and mixed in at rate 1:6 with a mixture of 60% of 96% ethanol or glycerol, and 40% volcanic mineral water. This process can be carried out in oak barrels or in glass, plastic, metal and wooden vessels which are filled with evenly spaced wooden palettes (oak) with size of 10x100x1000 mm. Palette contact area with the above mixture is 120 cm²/l of composition. After aging is done, the first obtained liquid phase is outflow in wooden barrels, with slats 10x100x1000 mm, in order to maintain the necessary contact area composition - palette of 120 cm²/l (hereinafter referred to as container), and the rest is extracted with the roller press. The resulting second liquid phase obtained from the press is mixed with first liquid phase in the container. Then, the resulting semi-dry residue is placed in filter bags and pressed in hydraulic presses with up to 500 bar pressure in the metal chromium nickel perforiranoj container. In this way obtained third phase is outflowed in the above mentioned container and mixed with two other previously obtained liquid phases and is left to age for 40 days. Composition obtained in this way is packed in a spray bottle with a micro pump.

Example 2

The process of obtaining a mixture of herbal extracts to treat disorders of male and female reproductive organs, and the nose.

Content of herbal mixture to 1000 kg, obtained according to the procedure shown in the invention, which is given in Table 1, is chopped and grinded in a grinder and mixed in at rate 1:6 with a mixture of 65% glycerol and 35%, volcanic mineral water. This process can be carried out
in oak barrels or in glass, plastic, metal and wooden vessels which are filled with evenly spaced wooden palettes (oak) with size of 10x100x1000 mm. Pallette contact area with the above mixture is 140 cm²/l of composition. After aging is done, the first obtained liquid phase is outflow in wooden barrels, with slats 10x100x1000 mm, in order to maintain the necessary contact area composition - palette of 140 cm²/l (hereinafter referred to as container), and the rest is extracted with the roller press. The resulting second liquid phase obtained from the press is mixed with first liquid phase in the container. Then, the resulting semi-dry residue is placed in filter bags and pressed in hydraulic presses with up to 500 bar pressure in the metal chromium nickel perforiranoj container. In this way obtained third phase is outflowed in the above metioned container and mixed with two other previously obtained liquid phases and is left to age for 30 days. The resultant composition is packed in the form of wet wipes. Wipes are soaked with the composition, folded and packed in waterproof packaging.

Example 3
The process of obtaining a mixture of plant extracts for the treatment of disorders of joints and muscle-bone system

Content of herbal mixture to 1000 kg, obtained according to the procedure shown in the invention, which is given in Table 1, is chopped and ground in a grinder and mixed in at rate 1:5 with a mixture of 60% of 96% ethanol and 40%, volcanic mineral water.

The procedure of obtaining composition is similar to the procedure in examples 1 and 2, except that are used palettes with the contact area of 150 cm²/l of composition, obtained semi-dry residue is placed in the filter bags and pressed in hydraulic press with up to 500 bar pressure in the metal chromium-nickel perforated container and collected fluid from the three phases is left to age for 50 days.

The resultant composition is packed in a roll-on bottle with a moveable applicator (solid spherical ball on opening the bottle).
<table>
<thead>
<tr>
<th>#</th>
<th>Plant Name</th>
<th>Latin Name</th>
<th>Example 1. (%)</th>
<th>Example 2. (%)</th>
<th>Example 3. (%)</th>
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<tbody>
<tr>
<td>1</td>
<td>Comfrey</td>
<td>Symphytum officinale</td>
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<td>5.6-8.0</td>
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<td>Hypericum perforatum</td>
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<td>6.0-8.5</td>
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<td>Nettle</td>
<td>Urtica dioica</td>
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<td>2.0-5.3</td>
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<tr>
<td>5</td>
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<td>Wild Thyme</td>
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<td>Latin name</td>
<td>Example 1.</td>
<td>Example 2.</td>
<td>Example 3.</td>
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<td><strong>Capricum annuum</strong></td>
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Weight percentage of herbs in mixture (%)

- Example 1.
- Example 2.
- Example 3.
Claims


2. Medical - cosmetic composition according to claim 1, wherein is in the form of spray, roll-on and wet wipes.

- Medicago sativa, linden - Tilia platyphyllos, basil - Ocimum basilicum, raspberry - Rubus idaeus, Green Tea - Camellia sinensis, and daisy - Bellis perennis, whole herbs/or their parts is mixed with extraction agent based on ethanol or glycerol and mineral water, primarily of volcanic origin and poured in the extraction vessel to perform extraction over uniformly arranged wooden palettes and when the extraction is completed, it is drained from deposit, first liquid phase is poured into the containers with uniformly arranged wooden palettes and the rest is extracted with press, and there is obtained liquid phase which is mixed with first liquid phase, and semi-dry residue is placed in filter bags pressed in press or centrifuge, and third liquid phase obtained is mixed with previously obtained two phases and left to age and natural sedimentation occurs for obtaining clear and transparent final product, which is acked in a sunlight resistable spray bottles, roll-on bottles and in a form of wet wipes.

4. The process according to claim 3, wherein the ratio of herbal mixture and extraction agents is 1:4 to 1:7, preferably 1:4 to 1:6.

5. The process according to claim 4, wherein is specified with that the extraction agent is 50-90% ethanol or glycerol, preferably 60-80% ethanol or glycerol.

6. The process according to claim 3-5, wherein mineral water is added, primarily of volcanic origin in relation to 10-50%, preferably 20-40%.

7. The process according to claim 3-6, wherein a contact area of wooden palettes 10 x 100 x 1000mm is 10-150m² / l, preferably 70-100 cm² / l.

8. The process according to claim 3-6, wherein the duration of the extraction is 15-45 days, preferably 20-30 days.

9. The process according to claim 3, wherein the natural sedimentation and clarification of the final composition takes place from 30-180 days in wooden barrels, or glass, metal or plastic with palettes (oak, mulberry, beech, acacia, pear, cherry, sour cherry, plum, chestnut, apple, pine and fir), 10x100x1000 mm dimensions in order to maintain the necessary surface contact composition - palette of 10-150cm²/l, preferably from 70-80 cm²/l.

10. Application of herbal mixture of whole herbs/or their parts which is consisted of the following herbs: Comfrey - Symphytum officinale, St. John's Wort - Hypericum perforatum, chamomile - Matricaria chamomilla, nettle - Urtica dioica, calendula - Calendula officinalis, sage

11. Herbal mix of whole herbs/or their parts fresh or dried, which is consisted of Comfrey - Symphytum officinale, St. John’s Wort - Hypericum perforatum, chamomile - Matricaria chamomilla, nettle - Urtica dioica, calendula - Calendula officinalis, sage - Salvia officinalis, milfoil - Achilea millefolium, thyme - Thymus vulgaris, dog rose - Rosa canina, carrot - Daucus carota, Winter savory - Satureja kitaibellii Wierzb. ex Heuff., cucumber - Cucumis sativus, mint - Mentha piperita, Walnut - Juglans regia, parsley - Petroselinum Hortense, broccoli - Brassica oleracea L, Elder - Sambucus nigra, Melissa - Melissa officinalis, lady’s mantle - Alchemilla vulgaris, cinnamon - Cinnamomum Zeylanicum, distaff - Equisetum arvense, lady’s bedstraw - Galium Verum, pepper - Capsicum annuum L, caraway - Carum carvi L, shepherd’s purse - Capsella bursa pastoris, dandelion - Taraxacum officinale, plantain - Plantago major, tomato - Solanum lycopersicum, white horehound - Marrubium vulgare, alfalfa - Medicago sativa, linden - Tilia platyphyllos, basil - Ocimum basilicum, raspberry - Rubus idaeus, Green Tea - Camellia sinensis, and daisy - Bellis perennis, with medical and cosmetic effect.

12. Medical - cosmetic composition based on extract of herbal mixture Comfrey - Symphytum officinale, St. John’s Wort - Hypericum perforatum, chamomile - Matricaria chamomilla, nettle - Urtica dioica, calendula - Calendula officinalis, sage - Salvia officinalis, milfoil - Achilea millefolium, thyme - Thymus vulgaris, dog rose - Rosa canina, carrot - Daucus carota, Winter savory - Satureja kitaibellii Wierzb. ex Heuff., cucumber - Cucumis sativus, mint - Mentha piperita, Walnut - Juglans regia, parsley - Petroselinum Hortense, broccoli - Brassica oleracea L,
Elder - Sambucus nigra, Melissa - Melissa officinalis, lady's mantle - Alchemilla vulgaris, cinnamon - Cinnamomum Zeylanicum, distaff - Equisetum arvense, lady's bedstraw - Galium Verum, pepper - Capsicum annuum L, caraway - Carum carvi L., shepherd's purse - Capsella bursa pastoris, dandelion - Tarxacum officinale, plantain - Plantago major, tomato - Solanum lycopersicum, white horehound - Marrubium vulgare, alfalfa - Medicago sativa, linden - Tilia platyphyllos, basil - Ocimum basilicum, raspberry - Rubus idaeus, Green Tea - Camellia sinensis, and daisy - Bellis perennis, for simultaneous treatment of diseases and disorders of facial and body skin, mucosa, blood vessels, muscle-bone system, reproductive system and thyroid gland.

13. Medical - cosmetic composition, based on extract of herbal mixture, according to claim 12 for treating face skin disorders and diseases (acne vulgaris, blemishes caused by improperly treated acne, rash (caused by the makeup and shaving) and puffy and dark circles under eyes), body skin disorders and diseases (bacterial skin infections, fungal skin infections (Athlete's foot, Pityriasis versicolor), eyelid styx, milia, surface wounds, rashes (hives), rash and itching after insect bites and waxing, dermatitis, allergic manifestations, first degree burns and sunburns, subcutaneous boils (carbuncles, furuncles), sunspots, age spots and hormone spots, lipoma, follicular keratosis (goose skin) and lichen planus, stretch marks, bedsores, scratches, scars, changes in the skin during and after Chicken Pox, blisters, ingrowth hair, warts, seborrheic dermatitis, eczema, psoriasis, hair loss, vitiligo, thickened nails), mouth diseases and disorders (paradentose, mucosal inflammation, oral mucosa wounds, aphthous ulcer, gingivitis and halitosis, throat and sore infection, acute herpetic gingivostomatitis and labial herpes), nasal disorders and diseases (Allergic rhinitis, sinus inflammation, inflammation and swelling of nasal mucosa and secretions from the nose), muscles and joints diseases and disorders (inflammatory rheumatism, rheumatoid arthritis, poor blood supply of muscles, sports injuries, dorsalgia and neuralgia), blood vessels disorder and diseases (spider veins and enlarged capillaries, ischemic surface tissue, swelling and bruises and diabetic foot), anal diseases and disorders (hemorrhoids, rectal inflammation, anus inflammation, anal fissures, anal itching and skin redness and eczema around anus), female reproductive system diseases and disorders (Bacterial vaginosis, vaginal candidiasis, Bartholin's glands, genital herpes, genital (outside vagina) and anal warts, sexual coldness in normal women (frigidity), male reproductive system diseases and disorders (bacterial
infection and fungal infections (candidiasis), genital herpes, erectile dysfunction and benign prostatic hyperplasia) and thyroid gland disorders and diseases (hyperthyroidism and hypothyroidism).

INTERNATIONAL SEARCH REPORT

PCT/RS2010/000011

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K8/97 A61Q7/00 A61Q7/02 A61Q7/08 A61K8/34 A61K36/185 A61Q17/00 A61Q19/00 A61Q19/08 A61K8/97 A61Q7/00 A61Q7/02 A61Q7/08 A61K8/34 A61K36/185 A61Q17/00 A61Q19/00 A61Q19/08 A61K8/97 A61Q7/00 A61Q7/02 A61Q7/08 A61K8/34 A61K36/185

According to International Patent Classification (IPC) or both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K A61Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.

Y DATABASE WPI Week 1994
6 September 1994 (1994-09-06)
Thomson Sci entific, London, GB;
AN 1994-322104
XP002660085,
"Synergic skin injury-preventing agent providing moisture retention, skin protection etc. comprising plant(s) extracts, cut or powdered plant(s), with water and/or organic solvent preferentially ethanol *
- & J.P 6 247866 A (SUGAWARA K.)
6 September 1994 (1994-09-06)
the whole document
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Date of the actual completion of the international search
27 September 2011

Date of mailing of the international search report
27/10/2011

Name and mailing address of the ISA
European Patent Office, P.B. 5018 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Nopper, Agathe

Form PCT/ISA/210 (second sheet) (April 2005)
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