Medicament For Prevention And Treatment
Of Bone Fracture And Osteoporosis

Patent US7459173 For Sale

Technology Name
Medicament for prevention and treatment of bone fracture and osteoporosis

Brief Description
A pharmaceutical composition which can be used to prevent and treat bone fracture and osteoporosis. The composition is composed of Semen lactucae sativae, Lignum aquilariae resinatum, Fructus oryzae, Resina boswelliae carterii, Rhizoma atractylodis macrocephalae and Semen cuscutae. The whole or the specific parts of the plants can be used to prepare the inventive pharmaceutical composition; preferred plants are Aquilariae lignum containing resin and Boswellia carterii containing resin.

Problem Solved by the Technology
Osteoporosis is a devastating condition in all population at all ages. The action mechanism of currently available therapeutics, for examples, bisphosphonates, specific estrogen receptor modulator, calcitonin, and estrogen, is mostly inhibiting the activity of osteoclasts. Parathyroid hormone is the only one that is working on stimulation of osteoblasts. There are many undesirable side effects and their long-term safety is not clear. Unfortunately, osteoporotic patients need to take these medications in a very long term. Among these medications, calcitonin and parathyroid hormones are peptide in nature. They need to be administered by daily injections or inhale that are not user-friendly to the patients.
**Technology Specifics**

The prior arts have taught some natural foods or herbs that had effects on prevention or treatment of osteoporosis. The technology provides a new composition from an herbal combination that is able to prevent and treat bone fracture and osteoporosis by a natural therapeutic modality.

This technology provides an herbal composition comprising Semen lactucae sativae, Lignum aquilariae resinatum, Fructus oryzae, Resina boswelliae carterii, Rhizoma atractylodis macrocephalae and Semen cuscutae.

Collectively, the technology provides:
1. A new herbal composition for the prevention and treatment of bone fracture and osteoporosis;
2. A method of manufacture processes to prepare a new herbal composition for the prevention and treatment of bone fracture and osteoporosis;
3. An application of a new herbal composition for the prevention and treatment of bone fracture and osteoporosis;

**Competitive Advantage**

The herbal composition of this technology is different from the previous technical disclosures, and its action mechanisms appeared to target many aspects of the disease etiologies. This technology demonstrates its efficacies in preventing and treating bone fracture and osteoporosis by both in vitro and in vivo studies.

**Technology deployment status**

This composition has finished two placebo controlled, double blinded, phase II clinical studies.
Safety and efficacy data can be disclosed upon confidential agreement.

**Patent Numbers**

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