

[54] **PROTEOLYTIC, DRY BIOPOLYMERIC COMPOSITION FOR TREATMENT OF WOUNDS, AND METHOD OF USING SAME**

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[58] Field of Search **424/94, 16; 514/55, 514/59**

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[57] **ABSTRACT**

The invention pertains to a cover of wounds in the form of a powder or a dry powdery fluid and is useful in covering and treating of ulcerous and necrotic wounds. It consists of animal or fungous chitin and chitosan in a powdered form of particle size 0.01 to 0.3 mm or of crosslinked dextran in the form of spheric particles of diameter 0.05 to 0.5 mm and of an immobilized protease. Enzymes are chemically bonded to the structure of the biopolymeric carrier and provide cleaning of the wound by dissolution of undesirable protein material, in particular fibrin, necrotic tissues, components of pus, and the like. In addition the adsorption and regeneration effects of powder act to provide suction of exudate and purulent matter infected with bacteria into interstitial capillary space. The cover according to the invention acts by fast cleaning of necrotic defects and speeds up the granulation and healing of the wound. The invention can be utilized in pharmaceutical production.

5 Claims, No Drawings