

[54] **USE OF SYNTHETIC SULFATED SACCHARIDES TO ENHANCE WOUND HEALING**

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**Related U.S. Application Data**

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[52] **U.S. Cl.** ..... **514/53; 514/23; 514/54; 514/21**

[58] **Field of Search** ..... **514/53, 21, 54, 23**

[56] **References Cited**

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[57] **ABSTRACT**

The use of sulfated oligosaccharides, particularly mono- and disaccharides, and their salts to enhance healing of wounds is described. Preferred saccharides are those having three or more sulfate groups, with persulfation being most preferred. Preferred salts are the soluble salts most preferably the alkali metal salts, particularly potassium and sodium salts. Sucrose octosulfate is the most preferred material. The saccharides may be used in any form, including liquids, gels or time release polymers. In preferred practice the saccharide is used in combination with collagen. Wounds, in particular those occurring in the skin and bone tissues, may be treated with the compositions. Wound healing is promoted even in wounds, such as decubitus ulcers, which are commonly resistant to the natural healing process.

**21 Claims, No Drawings**