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[58] **Field of Search** 514/54; 536/21, 54, 536/55.1, 121

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[57] **ABSTRACT**

Method for the treatment of arthritis, rheumatism and inflammation of connective tissue in which a multivalent metal ion substantially pure complex of xylan polysulphate, wherein the multivalent metal ion is selected from the group consisting of Ca^{2+}, Mg^{2+}, Cu^{2+} and Zn^{2+} is administered to a patient in need of such treatment.

3 Claims, 23 Drawing Sheets