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[54] **CHITOSAN COMPOSITIONS FOR CONTROLLED AND PROLONGED RELEASE OF MACROMOLECULES**

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[58] **Field of Search** 424/418, 422, 451, 457, 424/461, 484, 488–489, 493, 499, 88, 94.1; 604/890.1, 891.1; 514/2, 8, 21, 23, 54

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[57] **ABSTRACT**

Compositions for the controlled and prolonged release of macromolecular compounds comprise a porous matrix of chitosan having dispersed therein the macromolecular compound. Examples of macromolecules used in the composition are pharmacologically active ones such as peptide hormones, e.g. growth hormone.

20 Claims, No Drawings