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[54] **DRUG DELIVERY SYSTEMS BASED ON HYALURONANS DERIVATIVES THEREOF AND THEIR SALTS AND METHODS OF PRODUCING SAME**

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[*] Notice: The portion of the term of this patent subsequent to Apr. 15, 2003 has been disclaimed.

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[22] Filed: **Jul. 23, 1990**

Related U.S. Application Data

[60] Continuation of Ser. No. 320,822, Mar. 9, 1989, abandoned, which is a continuation of Ser. No. 140,877, Jan. 6, 1988, abandoned, which is a continuation of Ser. No. 804,178, Nov. 29, 1985, abandoned, which is a continuation-in-part of Ser. No. 678,895, Dec. 6, 1984, Pat. No. 4,582,865, and a continuation-in-part of Ser. No. 709,977, Mar. 8, 1985, Pat. No. 4,636,524, and a continuation-in-part of Ser. No. 755,976, Jul. 18, 1985, Pat. No. 4,605,691, said Ser. No. 709,977, and Ser. No. 755,976, each is a division of Ser. No. 678,895.

[51] Int. Cl.⁵ **A61K 31/715; A61K 9/70; A61F 13/00**

[52] U.S. Cl. **514/54; 424/446; 514/769**

[58] Field of Search **514/54, 769; 424/446**

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[57] ABSTRACT

Disclosed are drug delivery systems based on a polymeric component which is soluble or insoluble (cross-linked) hyaluronan or hyaluronan copolymerized with another hydrophilic polymer or hylan and one or more substances having biological or pharmacological activity and methods of preparing same.

41 Claims, No Drawings