

[54] MUCOPOLYSACCHARIDE COMPOSITION HAVING A REGULATORY ACTION ON COAGULATION, MEDICAMENT CONTAINING SAME AND PROCESS OF PREPARATION

[75] Inventors: Jean-Claude Lormeau, Maromme-la-Maine; Jean Goulay, Oissel; Jean Choay, Paris, all of France

[73] Assignee: Choay, S.A., Paris, France

[\*] Notice: The portion of the term of this patent subsequent to Dec. 4, 2001 has been disclaimed.

[21] Appl. No.: 726,178

[22] Filed: Apr. 23, 1985

Related U.S. Application Data

[63] Continuation of Ser. No. 204,505, Nov. 5, 1980, abandoned.

[30] Foreign Application Priority Data

Nov. 6, 1978 [FR] France ..... 78 31357
Jul. 20, 1979 [FR] France ..... 79 18873

[51] Int. Cl.<sup>4</sup> ..... A61K 31/725; C08B 37/10

[52] U.S. Cl. .... 514/56; 536/21

[58] Field of Search ..... 536/21; 514/56

[56] References Cited

U.S. PATENT DOCUMENTS

Table with 4 columns: Patent No., Date, Inventor, and Class. Includes entries for Choay et al., Schmer, Fussi, Lindahl et al., Takacs et al., and Lormeau et al.

Primary Examiner—Johnnie R. Brown
Attorney, Agent, or Firm—Weiser & Stapler

[57] ABSTRACT

The invention pertains to a mucopolysaccharide fraction obtainable from heparin or from fractions including heparinic constituents of molecular weights from 2000 to 50,000, which has a Yin-Wessler titer which is high relative to the USP titer. It contains components whose molecular weights are less than 10,000, particularly oligosaccharides in the area of 2000-3000, comprising from 8 to 12, notably 10 monosaccharide units, among which glucosamine units whose primary positions are sulphated. The last mentioned oligosaccharides include one N-acetyl-glucosamine unit per two units of 2-O-sulphate iduronic acid and per two N-sulphate-glucosamine units, the other saccharide units being of a different nature and including distinct substituents.

48 Claims, 15 Drawing Figures