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(54) Title: PROCESS FOR THE PURIFICATION OF HEPARAN SULFATE AND USE THEREOF IN COSMETOLOGICAL AND DERMATOLOGICAL PREPARATIONS

(57) Abstract: The present invention relates to cosmetological and dermatological compositions comprising heparan sulfate. The invention further discloses a process for the purification of heparan sulfate for dermatological and cosmetological applications, which process comprises the following steps: solubilization of heparan sulfate in water, adsorption on an anion exchange resin, desorption from the resin by using conditions which result in selective desorption of heparan sulfate. The cosmetological and dermatological compositions according to the invention show, inter alia, anti-age, lenitive, and whitening effect.



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According to International Patent Classification (IPC) or to both national classification and IPC														
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) A61Q A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data														
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 5 902 798 A (GOUDA IBRAHIM [SE] ET AL) 11 May 1999 (1999-05-11)</td> <td>1-5</td> </tr> <tr> <td>Y</td> <td>column 1, line 34 - line 57 -----</td> <td>1-13</td> </tr> <tr> <td>Y</td> <td>BEYTH R J ET AL: "Glycosaminoglycan distribution in substratum adhesion sites of aging human skin fibroblasts, including papillary and reticular subpopulations", MECHANISMS OF AGEING AND DEVELOPMENT, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 29, no. 2, 1 February 1985 (1985-02-01), pages 151-169, XP025196844, ISSN: 0047-6374, DOI: DOI:10.1016/0047-6374(85)90015-6 [retrieved on 1985-02-01] the whole document ----- -/-</td> <td>1-13</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 5 902 798 A (GOUDA IBRAHIM [SE] ET AL) 11 May 1999 (1999-05-11)	1-5	Y	column 1, line 34 - line 57 -----	1-13	Y	BEYTH R J ET AL: "Glycosaminoglycan distribution in substratum adhesion sites of aging human skin fibroblasts, including papillary and reticular subpopulations", MECHANISMS OF AGEING AND DEVELOPMENT, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 29, no. 2, 1 February 1985 (1985-02-01), pages 151-169, XP025196844, ISSN: 0047-6374, DOI: DOI:10.1016/0047-6374(85)90015-6 [retrieved on 1985-02-01] the whole document ----- -/-	1-13
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Information on patent family members

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