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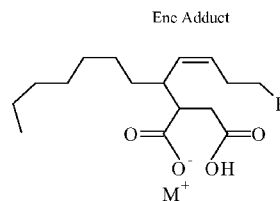
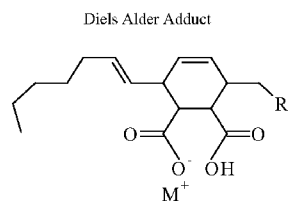
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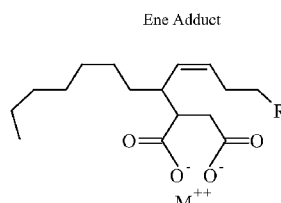
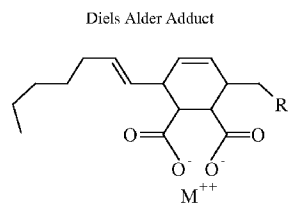
[Continued on next page]

(54) Title: NATURAL OIL BASED GELS, APPLICATIONS AND METHODS OF PREPARATION



(i)

R= Triglyceride, Fatty Acid, Fatty Acid Derivative



(ii)

(57) Abstract: The present invention relates to novel non-aqueous gels of natural oils and their derivatives and provides a novel process for the gelation of natural oils and their derivatives that does not require the addition of gellants or the irreversible heat bodying of the oil. The gels and method of the present invention are applicable to a wide range of natural oils, and the method is easily tailored to provide thermoreversible gels of any desired viscosity. The natural oil based gels of the present invention and the method of their preparation have many advantages over the prior art. The natural oil based gels provided have exemplary properties and find use in a variety of applications.



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International application No.

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A. CLASSIFICATION OF SUBJECT MATTER												
(see extra sheet)												
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)												
C07C 61/35, 57/13, 51/41, 51/353, 51/347, 209/68, 213/06, 219/08, 219/12, C09D 11/00, 11/06, B01F 17/18, 17/00, C11C 3/00												
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 practicable, search terms used)												
USPTO, DEPATISnet, EAPO, PAJ, RZH Khimiya, CAS on STN												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
A	IZUMI, Gaku et al. «Fatty acid derivatives and their utilization. IX. Synthesis and properties of high-molecular-weight aliphatic poly(amide-amines)» Kogyo Kagaku Zasshi, 1969, 72(4), pp. 1018-22 (abstract) [online] Retrieved from CAS on STN, CA: 1969:461928, compound with RN 26185-22-8	1-18										
A	FRIBERG, S. E. et al. «A lamellar lipid crystal as an in situ surface balance. II. The conformation of 2-(alkanoyloxy)-1[(alkanoyloxy)methyl]ethyl 7-(4-heptyl-5,6-dicarboxy-2-cyclohexen-1-yl)heptanoate». Colloid and Polymer Science, 1986, 264(2), pp. 182-184 (abstract) [online] Retrieved from CAS on STN, CA: 1986:514416, compounds with RN 104057-60-5, RN 104049-06-1	1-18										
A	JP 32008176 B (YOSHITOMI PHARMACEUTICAL INDUSTRIES, LTD.) 25.09.1957 & [online] DB CAS on STN, CA: 1958:82753, compound with RN 860383-73-9P	1-18										
A	US 6042227 A (XEROX CORPORATION) 28.03.2000	1-18										
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