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[Continued on next page]

(54) Title: SULFONATE SURFACTANTS AND METHODS OF PREPARATION AND USE

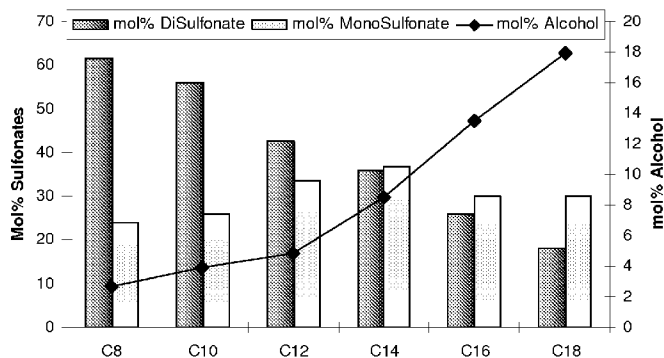
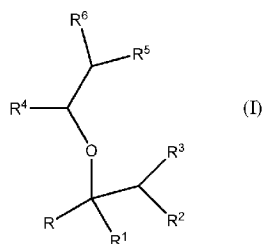


Fig. 1



(57) Abstract: Provided are new anionic surfactants and methods of their preparation and use. The surfactants are compounds of the formula I: wherein R, R¹, R², R³, R⁴, R⁵, and R⁶ are as defined herein.

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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
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B. FIELDS SEARCHED
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ABE M ET AL: "Microemulsion formation with branched tail polyoxyethylene sulfonate surfactants", JOURNAL OF COLLOID AND INTERFACE SCIENCE, ACADEMIC PRESS, NEW YORK, NY, US, vol. 114, no. 2, 1 December 1986 (1986-12-01), pages 342-356, XP024207472, ISSN: 0021-9797, DOI: DOI:10.1016/0021-9797(86)90420-0 [retrieved on 1986-12-01] abstract reaction schemes; page 344 page 346, column 2, line 33 ----- -/--	1-3,6

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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BAKKER P M: "Sulfonates and sulfates of sec-alkyl ethyl ether: detergents prepared by the addition of substituted alcohols to 1-alkenes", CHIMIE, PHYSIQUE ET APPLICATIONS PRATIQUES DES AGENTS DE SURFACT, XX, XX, 9 September 1968 (1968-09-09), pages 157-165, XP002075332, abstract pages 160-161 page 163, last paragraph - page 164; table IV	1-3,6,9
X	----- US 3 275 682 A (BAKKER PIETER M ET AL) 27 September 1966 (1966-09-27) claims 1,7; examples column 5, last paragraph	1-3,6-10
X	----- CH 315 882 A (SANDOZ AG [CH]) 15 September 1956 (1956-09-15) page 2, column 2, paragraph 1; examples 3,5,8	1-3,6,9
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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