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(54) Title: DETERGENT COMPOSITION CONTAINING SUDS BOOSTING CO-SURFACTANT AND SUDS STABILIZING SURFACE ACTIVE POLYMER

(57) Abstract: A detergent composition having improved sudsing profile comprising 0.2% to 6% by weight of a suds boosting co-surfactant having the formula $R-O-(CH_2CH_2O)_nSO_3^-M^+$, wherein R is a branched or unbranched alkyl group having 8 to 16 carbon atoms, n is an integer from 0 to 3, M is a cation of alkali metal, alkaline earth metal or ammonium; 0.01% to 5% by weight of a surface active polymer having the properties: (i) the surface tension of a 39 ppm polymer solution in distilled water is from 40 mN/m to 65 mN/m as measured at 25°C by a tensiometer; and (ii) the viscosity of a 500 ppm polymer solution in distilled water is from 0.0009 to 0.003 Pa.S as measured at 25°C by a rheometer; and 6% to 15% by weight of a main surfactant system. The total surfactant level in the detergent composition is less than 20% and the phosphate and/or aluminosilicate builder level in the detergent composition is less than 15% by weight.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/13138 A (DOW CHEMICAL CO) 5 September 1991 (1991-09-05) page 1, line 3 - page 6, line 20; claims; table II -----	1-14
X	WO 2006/004721 A (COGNIS IP MAN GMBH) 12 January 2006 (2006-01-12) example A -----	1-14
X	WO 2006/055569 A (PROCTER & GAMBLE) 26 May 2006 (2006-05-26) page 2, line 18 - line 23; claims; example E -----	1-14
X	US 2005/009716 A1 (PITERSKI CATHERINE A ET AL) 13 January 2005 (2005-01-13) examples ----- -/-	1-14



Further documents are listed in the continuation of Box C.



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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.
P,X	WO 2007/093315 A (HENKEL KGAA ET AL.) 23 August 2007 (2007-08-23) examples	1-14
A	----- DE 14 67 679 A1 (SIEMENS AG) 8 October 1970 (1970-10-08) page 1, paragraph 1; example -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

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