

(19)



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(11)

EP 0 854 182 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
16.12.1998 Bulletin 1998/51

(43) Date of publication A2:
22.07.1998 Bulletin 1998/30

(21) Application number: **98300040.7**

(22) Date of filing: **06.01.1998**

(51) Int Cl.⁶: **C11D 1/94**
// C11D1:14, C11D1:29,
C11D1:75, C11D1:90,
C11D1:72

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **16.01.1997 GB 9700803**

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(54) **Detergent formulation**

(57) A liquid detergent formulation comprising for use as a "washing-up" liquid comprises, by weight, 10-20% of an alkyl (C₈₋₂₂) sulphate, 1-10% of an alkyl (C₈₋₂₂) ether sulphate, 1-7% of an amine oxide contain-

ing at least one C₈₋₂₂ alkyl group, 1-7% of an amphoteric betaine surfactant containing at least one C₈₋₂₂ alkyl group, 1 to 15% of an ethoxylated alcohol (C₈₋₂₂), and a balance of water.

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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 0040

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 232 153 A (UNILEVER PLC.) 12 August 1987 * page 8, line 24 - page 18, line 10 * * page 19, line 10 - line 18 * * claims 1-10,12-22 * ---	1-30	C11D1/94 //C11D1:14, C11D1:29, C11D1:75, C11D1:90, C11D1:72
X	WO 96 24655 A (UNILEVER PLC.) 15 August 1996 * page 3, line 8 - line 33 * * claims 1-4 *	1,4-7, 10-14, 18-25, 28,29	
A	---	2,3,8,9, 15-17, 26,27,30	
D,A	GB 2 290 301 A (MCBRIDE ROBERT LTD.) 20 December 1995 * claims; example *	1-7, 15-30	
A	EP 0 193 386 A (THE PROCTER & GAMBLE CO.) 3 September 1986 * page 7, line 12 - page 8, line 36 * * claims *	1-20, 28-30	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	EP 0 157 443 A (THE PROCTER & GAMBLE CO.) 9 October 1985 * claims *	1-20,28, 29	C11D
A	WO 95 08611 A (THE PROCTER & GAMBLE CO.) 30 March 1995 * page 3 - page 8; claims 1-9 *	1-18	
A	GB 2 234 983 A (KAO CORP.) 20 February 1991 * page 3, line 20 - page 9, line 5 * --- -/--	1-19,26, 27	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 October 1998	Examiner Serbetsoglou, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	GB 1 458 798 A (THE PROCTER & GAMBLE CO.) 15 December 1976 * the whole document * -----	1-17, 21-25, 28-30	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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EPO FORM 1503 03/82 (P04001)