

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 393 772 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **90200921.6**

(51) Int. Cl.⁵: **C11D 3/30, C11D 3/43,
C11D 17/00, C11D 1/88,
C11D 1/22**

(22) Date of filing: **13.04.90**

(30) Priority: **21.04.89 GB 8909157**

(43) Date of publication of application:
24.10.90 Bulletin 90/43

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:
11.09.91 Bulletin 91/37

(71) Applicant: **THE PROCTER & GAMBLE
COMPANY**
One Procter & Gamble Plaza
Cincinnati Ohio 45202(US)

(72) Inventor: **Corn, Ian**
Klauwaartslaan 39
B-1820 Strombeek-Bever(BE)
Inventor: **Vos, Eddy Johan Edmond**
Koetsierweg 15
B-3202 Linden(BE)
Inventor: **De Waele, Johan Karel Emma**
Voorjaarsstraat 44/3
B-2610 Wilrijk(BE)

(74) Representative: **Canonici, Jean-Jacques et al**
Procter & Gamble European Technical
Center N.V. Temselaan 100
B-1853 Strombeek-Bever(BE)

(54) **Hard-surface cleaning compositions.**

(57) Hard surface cleaning compositions are disclosed which comprise anionic surfactants ammonium salts, monoethanolamine or diethanolamine or triethanolamine or mixtures thereof and a solvent system; the compositions herein have an alkaline pH.

EP 0 393 772 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 20 0921

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.5)														
A	US-A-3 839 234 (C.J. ROSCOE) * claims * - - -	1,2	C 11 D 3/30 C 11 D 3/43 C 11 D 17/00														
A	US-A-4 077 896 (F.J. BUNEGAR) * abstract; claims 1,2,5-7,9,10 * - - -	1-3,7	C 11 D 1/88 C 11 D 1/22														
A,D	GB-A-2 160 887 (BRISTOL-MYERS CO.) * page 2, lines 33-52 * - - -	1,2															
A	DATABASE WPIL/DERWENT no. 87-350906 (50), 1987, Derwent Publications Ltd., London, GB; & JP -A -62252499 (LION CORP.) 04.11.1987 * abstract * - - -	1-3															
T	EP-A-0 379 093 (STERLING DRUG INC.) * whole document * - - - - -	1-6															
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)														
			C 11 D														
The present search report has been drawn up for all claims																	
Place of search Berlin		Date of completion of search 14 June 91	Examiner PELLI-WABLAT B														
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>E: earlier patent document, but published on, or after the filing date</td></tr><tr><td>X: particularly relevant if taken alone</td><td>D: document cited in the application</td></tr><tr><td>Y: particularly relevant if combined with another document of the same category</td><td>L: document cited for other reasons</td></tr><tr><td>A: technological background</td><td>-----</td></tr><tr><td>O: non-written disclosure</td><td>&: member of the same patent family, corresponding document</td></tr><tr><td>P: intermediate document</td><td></td></tr><tr><td>T: theory or principle underlying the invention</td><td></td></tr></table>				CATEGORY OF CITED DOCUMENTS	E: earlier patent document, but published on, or after the filing date	X: particularly relevant if taken alone	D: document cited in the application	Y: particularly relevant if combined with another document of the same category	L: document cited for other reasons	A: technological background	-----	O: non-written disclosure	&: member of the same patent family, corresponding document	P: intermediate document		T: theory or principle underlying the invention	
CATEGORY OF CITED DOCUMENTS	E: earlier patent document, but published on, or after the filing date																
X: particularly relevant if taken alone	D: document cited in the application																
Y: particularly relevant if combined with another document of the same category	L: document cited for other reasons																
A: technological background	-----																
O: non-written disclosure	&: member of the same patent family, corresponding document																
P: intermediate document																	
T: theory or principle underlying the invention																	