



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 768 368 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.10.1999 Bulletin 1999/43

(43) Date of publication A2:
16.04.1997 Bulletin 1997/16

(21) Application number: **96203332.0**

(22) Date of filing: **05.12.1994**

(51) Int. Cl.⁶: **C11D 17/00**, C11D 11/00,
C11D 17/04, C11D 1/29,
C11D 1/65, C11D 3/36,
C11D 1/86

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

(30) Priority: **30.03.1994 EP 94200867**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
94870189.1 / 0 677 577

(71) Applicant:
**THE PROCTER & GAMBLE COMPANY
Cincinnati, Ohio 45202 (US)**

(72) Inventor: **Wevers, Jean
1840 Steenhuffel (BE)**

(74) Representative:
**Mather, Peter Geoffrey et al
Procter & Gamble
European Technical Center N.V.
Temselaan 100
1853 Strombeek-Bever (BE)**

(54) **Foamed cleaning compositions and method of treating textile fabrics**

(57) The invention relates to a foam composition for cleaning textiles comprising detergent active components, including a surfactant system. The surfactant system consists of anionic surfactant and nonionic surfactant, the nonionic surfactant being at a level of at least 20% by weight of the foam composition.

The invention also relates to a method of cleaning textiles using foamed compositions, and also to a packaged product for delivering the foamed compositions.

EP 0 768 368 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 20 3332

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 0 586 295 A (NLN) 9 March 1994 (1994-03-09) * abstract * * page 3, line 23 - line 38 * * page 3, line 49 - line 51 * * claims * ---	1,4,8,9	C11D17/00 C11D11/00 C11D17/04 C11D1/29 C11D1/65 C11D3/36 C11D1/86
A	DATABASE WPI Section Ch, Week 8641 Derwent Publications Ltd., London, GB; Class A97, AN 86-269639 XP002113512 & JP 61 197695 A (DAISAN KOGYO KK), 1 September 1986 (1986-09-01) * abstract * ---	1-9	
D,A	US 4 242 377 A (FURGAL HENRY P ET AL) 30 December 1980 (1980-12-30) * the whole document * ---	1-9	
A	FR 2 345 996 A (GILLETTE CO) 28 October 1977 (1977-10-28) * page 16, line 2 - line 4 * ---	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.6) C11D
A	US 3 919 101 A (ANSTETT RAYMOND MICHAEL ET AL) 11 November 1975 (1975-11-11) * column 3, line 40 - line 53 * * column 5, line 16 - line 18 * * column 5, line 29 - line 36 * ---	1-9	
A	WO 94 02109 A (DOWBRANDS INC) 3 February 1994 (1994-02-03) * page 3, last paragraph * * examples * --- -/--	1-9	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 7 September 1999	Examiner Pelli Wablat, B
CATEGORY OF CITED DOCUMENTS 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 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			

EPO FORM 1503 03.82 (P04C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 20 3332

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)
A	US 4 954 286 A (SEPULVEDA RALPH R ET AL) 4 September 1990 (1990-09-04) * column 2, line 40 - line 48 * * column 5, line 16 - line 18 * * column 5, line 29 - line 36 * -----	1-9	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		7 September 1999	Pelli Wablat, B
CATEGORY OF CITED DOCUMENTS 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 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			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 96 20 3332

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-09-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0586295 A	09-03-1994	FR 2695133 A	04-03-1994
JP 61197695 A	01-09-1986	NONE	
US 4242377 A	30-12-1980	NONE	
FR 2345996 A	28-10-1977	BR 7702046 A	16-11-1977
		DE 2713841 A	13-10-1977
		IT 1081943 B	21-05-1985
US 3919101 A	11-11-1975	CA 941259 A	05-02-1974
		CH 549637 A	31-05-1974
		DE 2110750 A	07-10-1971
		DE 2232411 A	01-03-1973
		FR 2084754 A	17-12-1971
		FR 2145537 A	23-02-1973
		GB 1343312 A	10-01-1974
		GB 1393408 A	07-05-1975
		US 3736259 A	29-05-1973
		ZA 7101151 A	27-09-1972
		IT 965899 B	11-02-1974
		PH 9585 A	19-01-1976
		ZA 7204236 A	27-02-1974
WO 9402109 A	03-02-1994	AU 4786893 A	14-02-1994
		BR 9306897 A	08-12-1998
		CN 1087380 A	01-06-1994
		EP 0652739 A	17-05-1995
		ES 2075820 A	01-10-1995
		FI 950373 A	27-01-1995
		HU 70703 A	30-10-1995
		JP 7509513 T	19-10-1995
		MX 9304511 A	31-01-1995
		NO 950309 A	27-01-1995
		PL 307296 A	15-05-1995
		US 5602091 A	11-02-1997
US 4954286 A	04-09-1990	AU 619271 B	23-01-1992
		AU 3268389 A	19-10-1989
		CA 1322509 A	28-09-1993
		JP 2014293 A	18-01-1990