

(19)



(11)

EP 1 752 526 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:

26.05.2010 Bulletin 2010/21

(43) Date of publication A2:

14.02.2007 Bulletin 2007/07

(21) Application number: **06111349.4**

(22) Date of filing: **29.09.1998**

(51) Int Cl.:

C11D 17/06 *(2006.01)* **C11D 17/00** *(2006.01)*
C11D 3/37 *(2006.01)* **C11D 3/36** *(2006.01)*
C11D 3/33 *(2006.01)* **C11D 3/20** *(2006.01)*
C11D 3/12 *(2006.01)* **C11D 3/10** *(2006.01)*
C11D 1/37 *(2006.01)*

(84) Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:

98948560.2 / 1 115 835

(71) Applicant: **The Procter and Gamble Company**
Cincinnati, Ohio 45202 (US)

Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

(72) Inventors:

- **Hartshorn, Richard Timothy**
Lawrenceburg, IN 47025 (US)
- **Baillely, Gerard, Marcel**
Cincinnati, OH 45242 (US)

- **Brooker, Alan Thomas**
Newcastle-upon-Tyne, Tyne and Wear NE3 5 (GB)
- **Alam, Zayeed**
Tyne and Wear, Tyne and Wear NE25 9PL (GB)
- **Norwood, Kevin**
Cincinnati, OH 45217 (US)
- **Bohlen, David Scott**
West Chester, OH 45069 (US)
- **Canceil, Sylvestre**
Newcastle-upon-Tyne, Tyne and Wear NE12 (GB)

(74) Representative: **Howard, Phillip Jan et al**

Procter & Gamble
Technical Centres Limited
Whitley Road
Longbenton
Newcastle upon Tyne NE12 9TS (GB)

(54) **Solid detergent compositions**

(57) The invention relates to detergent compositions comprising from 10 - 60 wt % of a surfactant system and having a maximum Residues Index of 25 and a maximum Secondary Residues Index of 15.

The detergents claim provide good performance in the wash based on the quantities of detergent components in the compositions.

EP 1 752 526 A3



EUROPEAN SEARCH REPORT

 Application Number
 EP 06 11 1349

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 0 233 010 A2 (PROCTER & GAMBLE [US]) 19 August 1987 (1987-08-19) * example II *	1-10	INV. C11D17/06 C11D17/00 C11D3/37
X	EP 0 285 050 A2 (HENKEL KGAA [DE]) 5 October 1988 (1988-10-05) * example 3 *	1-10	C11D3/36 C11D3/33 C11D3/20 C11D3/12
X	DE 195 41 755 A1 (HENKEL KGAA [DE]) 15 May 1997 (1997-05-15) * example 1 *	1-10	C11D3/10 C11D1/37
E	WO 98/46714 A1 (PROCTER & GAMBLE [US]; BROOKER ALAN THOMAS [GB]; HEINZMAN STEPHEN WAYN) 22 October 1998 (1998-10-22) * examples Ia, Ib *	1-10	
E	WO 00/02988 A1 (PROCTER & GAMBLE [US]; HARTSHORN RICHARD TIMOTHY [GB]; FIGUEROA FRANCI) 20 January 2000 (2000-01-20) * examples 1B, 1C, 2F, 2G, 2H, 3I, 3K, 5P * * examples 5Q, 6S, 6U, 6V, 7Y, 7AA, 8AC * * examples 8AE, 8AF, 8AG, 9AK *	1-10	TECHNICAL FIELDS SEARCHED (IPC) C11D
E	WO 99/42549 A1 (PROCTER & GAMBLE [US]; EBIHARA FUKUJI [JP]; MITO KEIICHI [JP]; GOBAYAS) 26 August 1999 (1999-08-26) * page 20; examples *	1-10	
X	DE 44 42 977 A1 (HENKEL KGAA [DE]) 5 June 1996 (1996-06-05) * page 9, lines 65-67; example 2; tables 1,3 *	1-10	
X	WO 97/02339 A1 (HENKEL KGAA [DE]) 23 January 1997 (1997-01-23) * examples 1-4; tables *	1-10	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 12 April 2010	Examiner Miller, Bernhard
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			

 1
 EPO FORM 1503 03 82 (P04C01)

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

EP 06 11 1349

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.

12-04-2010

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0233010	A2	19-08-1987	GB	2186589 A	19-08-1987
			HK	52993 A	11-06-1993
			IE	870232 L	30-07-1987
			SG	32893 G	21-05-1993

EP 0285050	A2	05-10-1988	DE	3711267 A1	13-10-1988
			DK	178088 A	04-10-1988
			TR	23683 A	11-06-1990

DE 19541755	A1	15-05-1997	AT	199932 T	15-04-2001
			WO	9717421 A1	15-05-1997
			EP	0877789 A1	18-11-1998
			ES	2156298 T3	16-06-2001

WO 9846714	A1	22-10-1998	AU	6514898 A	11-11-1998
			BR	9808895 A	01-08-2000
			CA	2286554 A1	22-10-1998
			CN	1259992 A	12-07-2000
			JP	2001524145 T	27-11-2001
			MA	24525 A1	31-12-1998
			US	6300302 B1	09-10-2001

WO 0002988	A1	20-01-2000	CA	2336256 A1	20-01-2000
			CN	1308665 A	15-08-2001
			EP	1095124 A1	02-05-2001
			GB	2339194 A	19-01-2000

WO 9942549	A1	26-08-1999	AU	6177798 A	06-09-1999
			CA	2320252 A1	26-08-1999
			EP	1056825 A1	06-12-2000
			JP	3401020 B2	28-04-2003
			JP	2000510525 T	15-08-2000

DE 4442977	A1	05-06-1996	AT	175717 T	15-01-1999
			WO	9617045 A1	06-06-1996
			EP	0793708 A1	10-09-1997
			ES	2128793 T3	16-05-1999

WO 9702339	A1	23-01-1997	AT	183773 T	15-09-1999
			EP	0836641 A1	22-04-1998
			ES	2137011 T3	01-12-1999
			GR	3031562 T3	31-01-2000

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82