



(11) **EP 1 661 503 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.01.2008 Bulletin 2008/01

(51) Int Cl.:
A47L 13/20 ^(2006.01) **A47L 13/51** ^(2006.01)
A47L 13/16 ^(2006.01) **D04H 1/46** ^(2006.01)

(43) Date of publication A2:
31.05.2006 Bulletin 2006/22

(21) Application number: **05028152.6**

(22) Date of filing: **26.09.2000**

(84) Designated Contracting States:
**AT BE CH CY 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: **27.09.1999 US 156286 P**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
00970492.5 / 1 290 121

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

(72) Inventors:
• **Sherry, Alan Edward**
Cincinnati
Ohio 45220 (US)

- **Policicchio, Nicola John**
Mason
Ohio 45040 (US)
- **Cella, Cynthia Elaine**
Fairfield
Ohio 45014 (US)
- **Flora, Jeffery Lawrence**
Mason
Ohio 45040 (US)
- **Trinh, Toan (nmn)**
Maineville
Ohio 45039 (US)
- **Morelli, Joseph Paul**
Bothell
Washington 98001 (US)

(74) Representative: **Hampton, Matthew John et al**
Howrey LLP
Rembrandt Tower, 31st Floor
Amstelplein 1
1096 HA Amsterdam (NL)

(54) **Hard surface cleaning compositions, premoistened wipes, methods of use, and articles comprising said compositions**

(57) The present invention provides preferred, preferably liquid, hard surface cleaning compositions, compositions with cleaning liquid composition on a substrate, compositions used with absorbent pads and implements and devices for making the process of cleaning hard surfaces and/or maintaining their appearance and hygiene easier and more effective. These compositions, along with specific instructions for use are advantageous for removal of and/or prevention of buildup of soils commonly encountered on floors, glass surfaces, counters, walls, showers and/or tubs, said compositions comprising hy-

drophilic polymers to render the cleaned surface hydrophilic and to improve the appearance when the surface is either not rinsed, or when the composition is incompletely removed, specific surfactant, preferably surfactant selected to minimize spotting/filming, optionally specific organic cleaning solvents to provide cleaning and wetting particularly in applications where levels of non-volatiles need to be minimized, and, optionally, antibacterial agents for preserving or surface activity and optionally perfumes for aesthetics.

EP 1 661 503 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 02 8152

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	US 5 093 190 A (KWOK WO K [US] ET AL) 3 March 1992 (1992-03-03) * abstract * * column 1, line 61 - column 2, line 33 * * column 4, line 23 - line 24 * * column 5, line 27 - line 32 * * column 6, line 30 - line 33 * * table 3 * * claims 6-9 *	1,3-5	INV. A47L13/20 A47L13/51 A47L13/16 D04H1/46
Y	-----	2,6-10	
Y,D	US 4 448 704 A (BARBY DONALD [GB] ET AL) 15 May 1984 (1984-05-15) * abstract * * column 2, line 50 - column 3, line 5 *	2	
Y	----- WO 99/18182 A (PROCTER & GAMBLE [US]; POLICICCHIO NICOLA JOHN [US]; SHERRY ALAN EDWAR) 15 April 1999 (1999-04-15) * page 14, paragraph 4 - page 15, paragraph 1 * * page 17, paragraph 2 - paragraph 3 * * page 15, paragraph 4 - page 16, paragraph 1 * * page 23, paragraph 3 - page 24, paragraph 1 * * page 24, paragraph 4 - page 25, paragraph 2 *	6-10	TECHNICAL FIELDS SEARCHED (IPC) A47L A47K D04H
A	----- EP 0 924 239 A (GEN ELECTRIC [US]) 23 June 1999 (1999-06-23) * abstract * * paragraph [0001] - paragraph [0008] * ----- -/--	8,9	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 November 2007	Examiner CABRAL MATOS, A
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			

3
EPO FORM 1503 03 82 (P04C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 02 8152

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 99/07273 A (PROCTER & GAMBLE [US]) 18 February 1999 (1999-02-18) * abstract * * page 6, paragraph 3 - page 8, paragraph 2 * * page 13, paragraph 4 * * page 18, paragraph 1 * * figures 1-4 * -----	2,10	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 November 2007	Examiner CABRAL MATOS, A
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			

3
EPO FORM 1503 03.82 (P04C01)

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

EP 05 02 8152

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.

23-11-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5093190	A	03-03-1992	AU 638611 B2	01-07-1993
			AU 8589691 A	30-04-1992
			CA 2052216 A1	23-04-1992
			DE 69130638 D1	28-01-1999
			DE 69130638 T2	08-07-1999
			EP 0482870 A1	29-04-1992
			HK 1003721 A1	17-03-2000
			JP 3083377 B2	04-09-2000
			JP 4281058 A	06-10-1992
			SG 48240 A1	17-04-1998
US 4448704	A	15-05-1984	AU 553065 B2	03-07-1986
			AU 8424382 A	02-12-1982
			BR 8203134 A	17-05-1983
			CA 1182373 A1	12-02-1985
			DE 3268092 D1	06-02-1986
			DK 244182 A	30-11-1982
			EP 0067016 A1	15-12-1982
			ES 8307475 A1	01-11-1983
			GR 76824 A1	04-09-1984
			JP 1803269 C	26-11-1993
			JP 5007015 B	27-01-1993
			JP 57203423 A	13-12-1982
			NO 821792 A	30-11-1982
			NZ 200784 A	13-09-1985
			PH 18989 A	29-11-1985
			PT 74972 A	01-06-1982
			ZA 8203707 A	28-12-1983
WO 9918182	A	15-04-1999	AT 312899 T	15-12-2005
			AU 743495 B2	24-01-2002
			AU 9674898 A	27-04-1999
			BR 9812747 A	29-08-2000
			CA 2305723 A1	15-04-1999
			CN 1281501 A	24-01-2001
			CZ 20001224 A3	15-08-2001
			DE 69832807 T2	31-08-2006
			EP 1019475 A1	19-07-2000
			ES 2255186 T3	16-06-2006
			HU 0003993 A2	28-03-2001
			ID 26563 A	18-01-2001
			JP 2001519460 T	23-10-2001
			JP 2005146286 A	09-06-2005
			NO 20001735 A	30-05-2000
			PL 339912 A1	15-01-2001
			RU 2192451 C2	10-11-2002

EPO FORM P0459

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

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

EP 05 02 8152

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.

23-11-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9918182	A	SK 5112000 A3	10-05-2001
		TR 200000914 T2	21-08-2000
EP 0924239	A	DE 69827751 D1	30-12-2004
	23-06-1999	DE 69827751 T2	01-12-2005
		JP 11240954 A	07-09-1999
WO 9907273	A	AU 8698298 A	01-03-1999
	18-02-1999	BR 9811725 A	26-09-2000
		CA 2300307 A1	18-02-1999
		CN 1271260 A	25-10-2000
		DE 69806033 D1	18-07-2002
		DE 69806033 T2	02-10-2002
		EP 1021121 A1	26-07-2000
		ES 2178242 T3	16-12-2002
		HK 1021121 A1	07-02-2003
		HU 0003542 A2	28-05-2001
		ID 24043 A	06-07-2000
		JP 2001513347 T	04-09-2001
		TR 200000379 T2	21-09-2000
		TW 398967 B	21-07-2000
		ZA 9807193 A	12-02-1999