(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 September 2000 (21.09.2000)

PCT

(10) International Publication Number
WO 00/55294 A3

(51) International Patent Classification[7]: C11D 17/00, 3/50, 3/12, 3/36, 3/20

(21) International Application Number: PCT/US00/05985

(22) International Filing Date: 8 March 2000 (08.03.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
99870043.9 12 March 1999 (12.03.1999) EP
99870082.7 30 April 1999 (30.04.1999) EP

(71) Applicant *(for all designated States except US)*: **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CUNNINGHAM, Philip, Andrew** [GB/GB]; 2 Park Drive, Forrest Hall, Newcastle upon Tyne NE12 9JN (GB). **GREEN, Michael** [GB/GB]; 69 Oulton Close, Meadow Rise Kenton, Newcastle Upon Tyne NE5 4SX (GB). **MCRITCHIE, Allan, Campbell** [GB/GB]; 35 Monkseaton Drive, Whitley Bay, Tyne & Wear NE26 1SY (GB). **ARNAU, Jose** [ES/FR]; 2, rue Jean-Philippe Rameau, F-78180 Montigny-le-Bretonneux (FR).

(74) Agents: **REED, T., David** et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) Designated States *(national)*: AE, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *With international search report.*
— *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

(88) Date of publication of the international search report:
18 January 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 00/55294 A3

(54) Title: PERFUMED DETERGENT TABLET

(57) Abstract: The present invention relates to a perfumed detergent tablet, the tablet comprising a clay mineral compound and a heavy metal ion sequestrant.

INTERNATIONAL SEARCH REPORT

Intern: al Application No
PCT/US 00/05985

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D17/00 C11D3/50 C11D3/12 C11D3/36 C11D3/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1 026 229 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application example 1 claims page 11, line 31 - line 32 page 14, line 14 - line 16 page 3, line 34 -page 4, line 26 ---	1-16
E	EP 1 026 228 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application claims; example 1 ---	1-16
E	EP 1 026 227 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application claims; example 1 ---	1-16
	-/--	

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
1 November 2000	08/11/2000

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Serbetsoglou, A

1

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Intern ial Application No
PCT/US 00/05985

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 846 754 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 page 4, line 3 - line 11	1-11,15, 16
X	EP 0 846 755 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 page 4, line 19 - line 27	1-11,15, 16
X	EP 0 846 756 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1	1-11,15, 16
P,X	WO 99 27069 A (PROCTER & GAMBLE) 3 June 1999 (1999-06-03) claims 1-8 page 64 -page 65 page 75	1-11,14
P,X	WO 99 31215 A (PROCTER & GAMBLE) 24 June 1999 (1999-06-24) page 50 -page 53 claims; examples	1,5,14
X	WO 99 06521 A (PROCTER & GAMBLE) 11 February 1999 (1999-02-11) claim 1; example 1 page 57, line 28 - line 29 page 55, line 9 - line 16 page 53, line 14 - line 26	1,5,14
X	WO 95 20030 A (UNILEVER PLC) 27 July 1995 (1995-07-27) examples 1,4 claims 1-13,27-34	1
A	WO 97 05226 A (PROCTER & GAMBLE) 13 February 1997 (1997-02-13) claims 1-3	1,5
P,X	WO 99 40171 A (UNILEVER PLC) 12 August 1999 (1999-08-12) page 12, line 11 -page 13, line 25 page 24, line 5 -page 25, line 3 claims 1-8	1

1

INTERNATIONAL SEARCH REPORT

...ormation on patent family members

Intern... al Application No
PCT/US 00/05985

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1026229 A	09-08-2000	WO 0046340 A	10-08-2000
EP 1026228 A	09-08-2000	WO 0046339 A	10-08-2000
EP 1026227 A	09-08-2000	WO 0046338 A	10-08-2000
EP 0846754 A	10-06-1998	AU 7625098 A	29-06-1998
		BR 9713992 A	08-02-2000
		CN 1245528 A	23-02-2000
		WO 9824874 A	11-06-1998
		US 6087311 A	11-07-2000
EP 0846755 A	10-06-1998	AU 5443898 A	29-06-1998
		BR 9714379 A	21-03-2000
		CN 1245529 A	23-02-2000
		WO 9824875 A	11-06-1998
EP 0846756 A	10-06-1998	AU 5443698 A	29-06-1998
		BR 9713871 A	14-03-2000
		CN 1245527 A	23-02-2000
		WO 9824873 A	11-06-1998
WO 9927069 A	03-06-1999	EP 1034250 A	13-09-2000
WO 9931215 A	24-06-1999	GB 2332442 A	23-06-1999
		BR 9813815 A	03-10-2000
WO 9906521 A	11-02-1999	GB 2327947 A	10-02-1999
		EP 0998552 A	10-05-2000
WO 9520030 A	27-07-1995	AU 702040 B	11-02-1999
		AU 1575695 A	08-08-1995
		BR 9506561 A	28-10-1997
		CA 2180433 A	27-07-1995
		DE 69502701 D	02-07-1998
		DE 69502701 T	26-11-1998
		EP 0741776 A	13-11-1996
		ES 2118561 T	16-09-1998
		ZA 9500587 A	25-07-1996
WO 9705226 A	13-02-1997	GB 2303635 A	26-02-1997
		AU 6636696 A	26-02-1997
		CA 2227772 A	13-02-1997
		EP 0847438 A	17-06-1998
		JP 11510532 T	14-09-1999
		US 6063747 A	16-05-2000
WO 9940171 A	12-08-1999	AU 2720699 A	23-08-1999