

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 February 2002 (28.02.2002)

PCT

(10) International Publication Number
WO 02/015663 A3

(51) International Patent Classification⁷: **C11D 17/04**,
3/00, 3/50, 3/22

(21) International Application Number: PCT/US01/25897

(22) International Filing Date: 17 August 2001 (17.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/226,425 18 August 2000 (18.08.2000) US

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

(72) Inventors: **DUVAL, Dean, Larry**; 365 Chadwick Ct.,
Lebanon, OH 45036 (US). **RIENZO, Paul, Eugene**; 8135
Woodbine Avenue, Cincinnati, OH 45216 (US). **OFOSU-
ASANTE, Kofi**; 5752 Belmont Avenue, Cincinnati, OH
45224 (US). **WOO, Ricky, Ah-Man**; 6940 Van Gordon

Road, Hamilton, OH 45011 (US). **GRIMM, Kimberly,
Ann**; 923 Olympia, Mason, OH 45040 (US). **WAGNON,
Eric, Laurence**; 3027 Kinmont #1, Cincinnati, OH 45208
(US).

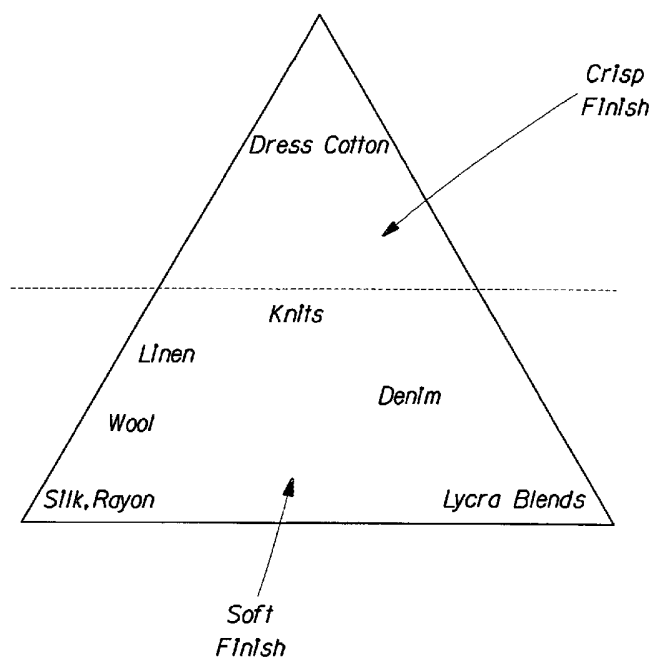
(74) Agents: **REED, T., David** et al.; The Procter & Gam-
ble Company, 5299 Spring Grove Avenue, Cincinnati, OH
45217-1087 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, 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, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK (utility model), SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European

[Continued on next page]

(54) Title: METHOD AND ARTICLE OF MANUFACTURE FOR REFRESHING, DEODORIZING AND FINISHING GAR-
MENTS



(57) Abstract: The present invention relates to methods for selection and treatment of a garment with a refreshing, deodorizing and finishing composition, in order to improve various properties of garments, in particular, reduction or removal of unwanted wrinkles, odors, and the like. Also included is an article of manufacture containing a plurality of refreshing, deodorizing and finishing compositions in a plurality of disposable containers in association with instructions for their use in an apparatus.



patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:

19 December 2002

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.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/25897

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D17/04 C11D3/00 C11D3/50 C11D3/22

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 24851 A (PROCTER & GAMBLE) 4 May 2000 (2000-05-04) claims 1,15-29,44 ---	7
A	US 4 014 105 A (FURGAL HENRY P ET AL) 29 March 1977 (1977-03-29) claims ---	7
A	EP 0 953 669 A (WHIRLPOOL CO) 3 November 1999 (1999-11-03) page 4, column 6, line 28 - line 44; claims ---	7
A	US 4 982 467 A (MIZUSAWA EUGENE A ET AL) 8 January 1991 (1991-01-08) column 10, line 21 - line 60; claims; figures --- -/--	7



Further documents are listed in the continuation of box C.



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

21 December 2001

Date of mailing of the international search report

07/01/2002

Name and mailing address of the ISA

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

Authorized officer

Grittern, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/25897

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 670 475 A (GEIS PHILIP ANTHONY ET AL) 23 September 1997 (1997-09-23) cited in the application the whole document -----	7

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

claim 1 contains no technical feature, that would make a search possible.

Continuation of Box I.1

Claims Nos.: 1-6, 8 ,9

Rule 39.1(iii) PCT - Scheme, rules and method for doing business (claims 1-4, 8,9)

Rule 39.1(iii) PCT - Scheme, rules and method for performing mental acts (claims 1-4, 8, 9

Rule 39.1(v) PCT - Presentation of information (claims 5, 6)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/25897

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0024851	A	04-05-2000	AU 1133000 A	15-05-2000
			AU 1223100 A	15-05-2000
			AU 1321100 A	15-05-2000
			BR 9914747 A	02-10-2001
			BR 9915536 A	16-10-2001
			EP 1124924 A1	22-08-2001
			EP 1123374 A1	16-08-2001
			EP 1144572 A2	17-10-2001
			WO 0024851 A2	04-05-2000
			WO 0024858 A1	04-05-2000
			WO 0024856 A1	04-05-2000
US 4014105	A	29-03-1977	AU 3394971 A	05-04-1973
			BE 773935 A1	31-01-1972
			CH 541655 A	15-09-1973
			DE 2150586 A1	27-04-1972
			DK 43780 A , B,	01-02-1980
			DK 43880 A	01-02-1980
			DK 43980 A	01-02-1980
			DK 147080 B	02-04-1984
			FR 2124010 A5	15-09-1972
			GB 1383749 A	12-02-1974
			GB 1383750 A	12-02-1974
			GB 1383748 A	12-02-1974
			IT 944760 B	20-04-1973
			NL 7114461 A	24-04-1972
			SE 7501655 A	14-02-1975
			ZA 7106518 A	30-05-1973
EP 0953669	A	03-11-1999	BR 9901282 A	08-03-2000
			CN 1234462 A	10-11-1999
			EP 0953669 A2	03-11-1999
			JP 11319398 A	24-11-1999
US 4982467	A	08-01-1991	US 4882917 A	28-11-1989
			CA 1320836 A1	03-08-1993
US 5670475	A	23-09-1997	US 6248135 B1	19-06-2001
			US 2001044392 A1	22-11-2001
			US 6077318 A	20-06-2000
			AU 3242995 A	07-03-1996
			BR 9508569 A	23-12-1997
			CA 2196702 A1	22-02-1996
			CZ 9700401 A3	13-08-1997
			DE 29522186 U1	15-06-2000
			EP 1002549 A1	24-05-2000
			EP 0774980 A1	28-05-1997
			JP 10503958 T	14-04-1998
			PL 318553 A1	23-06-1997
			RU 2149025 C1	20-05-2000
			WO 9604940 A1	22-02-1996