

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 January 2000 (20.01.2000)

PCT

(10) International Publication Number
WO 00/02982 A3

(51) International Patent Classification⁷: **C11D 3/50**,
3/00, 3/20, 3/37, 3/33, 3/30

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

(21) International Application Number: PCT/US99/15678

(22) International Filing Date: 12 July 1999 (12.07.1999)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
98870155.3 10 July 1998 (10.07.1998) EP
98870226.2 28 October 1998 (28.10.1998) EP
99870025.6 11 February 1999 (11.02.1999) 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): **BETTIOL, Jean-Luc Philippe** [FR/BE]; 93, avenue Slegers, B-1200 Brussels (BE). **BUSCH, Alfred** [DE/BE]; Handelsstraat 210, B-1840 Londerzeel (BE). **DENUTTE, Hugo** [BE/BE]; Molenstraat 12, B-9308 Hofstade (BE). **LAUDAMIEL, Christophe** [FR/BE]; Rue de Violette 20A, B-1000 Brussels (BE). **SMETS, Johan** [BE/BE]; Bollenberg 79, B-3210 Lubbeek (BE).

(81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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.

(88) Date of publication of the international search report:
14 June 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.

(54) Title: LAUNDRY AND CLEANING COMPOSITIONS

(57) Abstract: The present invention relates to a laundry and cleaning composition comprising a detergent ingredient and a product of reaction between an amino functional polymer comprising at least one primary and/or secondary amine group, and a perfume component. By the present invention, there is obtained a release of the perfume component over a longer period of time than by the use of the perfume itself.



WO 00/02982 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/15678

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/50 C11D3/00 C11D3/20 C11D3/37 C11D3/33
C11D3/30

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 831 143 A (PROCTER & GAMBLE) 25 March 1998 (1998-03-25) synthesis examples V-VIII claims; examples 1-4 ---	1-18
A	KAMOGAWA H ET AL: "Chemical release control- Schiff bases of perfume aldehydes and aminostyrenes" JOURNAL OF POLYMER SCIENCE, POLYMER CHEMISTRY EDITION, vol. 20, 1 January 1982 (1982-01-01), pages 3121-3129, XP002084908 ISSN: 0887-624X --- -/--	1

☒ 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

25 October 1999

Date of mailing of the international search report

11/11/1999

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

Loiselet-Taisne, S

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/15678

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VIGUERA A -R ET AL: "A WATER-SOLUBLE POLYLYSINE-RETINALDEHYDE SCHIFF BASE. STABILITY IN AQUEOUS AND NANOQUEOUS ENVIRONMENTS" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 265, no. 5, 15 February 1990 (1990-02-15), pages 2527-2532, XP002057413 ISSN: 0021-9258 page 2527, column 1, paragraph 1 page 2528, last paragraph -page 2529, paragraph 2 ---	1-4
A	EP 0 841 391 A (PROCTER & GAMBLE) 13 May 1998 (1998-05-13) claims; examples ---	1-18
A	US H1468 H (COSTA JILL B ET AL) 1 August 1995 (1995-08-01) column 4, line 39 - line 41; claim 1 ---	1-18
A	EP 0 011 499 A (UNILEVER NV ;UNILEVER LTD (GB)) 28 May 1980 (1980-05-28) LF 165 perfume mixture on page 10 claims 1-7,10,19,20,23; examples ---	1,13-16, 18
A	EP 0 430 315 A (UNILEVER NV ;UNILEVER PLC (GB)) 5 June 1991 (1991-06-05) claim 1; examples -----	1-16,18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/15678

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0831143 A	25-03-1998	WO 9812236 A	26-03-1998
EP 0841391 A	13-05-1998	WO 9820102 A	14-05-1998
US H1468 H	01-08-1995	EP 0679714 A	02-11-1995
		JP 8053699 A	27-02-1996
EP 0011499 A	28-05-1980	AT 357 T	15-11-1981
		AU 531802 B	08-09-1983
		AU 5292579 A	22-05-1980
		BR 7908914 A	21-07-1981
		CA 1130058 A	24-08-1982
		DK 307680 A	16-07-1980
		ES 486066 A	01-11-1980
		WO 8001075 A	29-05-1980
		JP 55500911 T	06-11-1980
		PT 70463 A	01-12-1979
		ZA 7906187 A	24-06-1981
EP 0430315 A	05-06-1991	AT 150079 T	15-03-1997
		AU 648039 B	14-04-1994
		AU 6319890 A	11-04-1991
		CA 2026512 A	30-03-1991
		DE 69030156 D	17-04-1997
		DE 69030156 T	19-06-1997
		DK 430315 T	22-09-1997
		ES 2098244 T	01-05-1997
		GR 3023401 T	29-08-1997
		JP 2529896 B	04-09-1996
		JP 3131696 A	05-06-1991