## (19) World Intellectual Property Organization International Bureau



## T TERRE BUNGAN IN BERKENDER HAR FOR EINE HER BURGEREN BERKENDE BERKENDE BERKENDE BERKENDE BURGEREN.

### (43) International Publication Date 8 February 2001 (08.02.2001)

### **PCT**

# (10) International Publication Number WO 01/08641 A3

- (51) International Patent Classification<sup>7</sup>: A47K 7/03, A61K 7/50, C11D 17/04, B32B 5/26, A45D 40/00
- (21) International Application Number: PCT/US00/21011
- (22) International Filing Date: 1 August 2000 (01.08.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/146,815 2 August 1999 (02.08.1999) US 09/444,343 19 November 1999 (19.11.1999) US

- (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
- (72) Inventors: LORENZI, Marc, Paul; 18 South Avenue, Egham, Surrey TW20 8HG (GB). SMITH, Edward, Dewey, III; 6880 Man-O-War Lane, Mason, OH 45040 (US).
- (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, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, 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, KR (utility model), 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, SK (utility model), 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 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: 7 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.

ί.

(54) Title: PERSONAL CARE ARTICLES

(57) Abstract: The present invention relates to a substantially dry, disposable personal care article comprising: a) a water insoluble substrate comprising a first layer comprising: 1) a nonwoven ply; 2) a polymeric net arranged with said nonwoven ply; and b) a cleansing component disposed adjacent to said first layer, wherein said component comprises from about 10 % to about 1000 %, by weight of the water insoluble substrate, of a lathering surfactant. The present invention further relates to a substantially dry, disposable personal care article suitable for conditioning wherein the above-described article comprises a therapeutic benefit component, disposed adjacent to said water insoluble substrate, wherein said component comprises from about 10 % to about 1000 %, by weight of the water insoluble substrate, of a therapeutic benefit component in addition to or in lieu of the cleansing component. These articles have been found to be particularly useful for personal cleansing applications, namely for the skin and hair.

## INTERNATIONAL SEARCH REPORT

Int itional Application No PCT/US 00/21011

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A47K7/03 A61K7/50

C11D17/04

B32B5/26

A45D40/00

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 A61K C11D D04H B32B A47L A45D

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

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Category	Challott of document, with indication, where appropriate, of the relevant passages	nelevani to ciaini No.	
Ρ,Χ	WO 00 42961 A (THE PROCTER & GAMBLE COMPANY) 27 July 2000 (2000-07-27)	1-4,8-11	
Α	page 3, line 9 -page 7, line 32; figure 2 page 20, line 7 - line 18; example 36	5-7	
Υ	WO 99 21532 A (THE PROCTER & GAMBLE COMPANY) 6 May 1999 (1999-05-06) abstract; figure 3 page 12, last paragraph -page 14, paragraph 2 page 69, paragraph 3 -page 70, paragraph 3	1-6,8-11	
Y	WO 99 37200 A (THE PROCTER AND GAMBLE COMPANY) 29 July 1999 (1999-07-29) abstract; claims 1-10; figure 5 page 9, paragraph 3 -page 11, paragraph 2 page 15, paragraph 3 -page 16, paragraph 1	1-6,8-11	

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"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)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>'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</li> <li>'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</li> <li>'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.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search  19 February 2001	Date of mailing of the international search report  23/02/2001
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 Schmitt, J

1

## INTERNATIONAL SEARCH REPORT

Int tional Application No
PCT/US 00/21011

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
9~1		ricicvanii to cidiff IVO.
A	WO 99 07273 A (THE PROCTER & GAMBLE	1-3,5-8,
	COMPANY) 18 February 1999 (1999-02-18)	10
	abstract; figures 1,4 page 6, paragraph 3 -page 8, paragraph 3	
<b>\</b>	WO 98 52537 A (THE PROCTER & GAMBLE	1 4 5 0
٦	COMPANY) 26 November 1998 (1998–11–26)	1,4,5,8, 11
	abstract; claim 1	
	page 11, line 26 - line 33	
	<del></del>	
ĺ		

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. donal Application No
PCT/US 00/21011

Patent document cited in search repo	rt	Publication date	Patent family member(s)		Publication date
WO 0042961	Α	27-07-2000	AU	2732800 A	07-08-2000
WO 9921532	A	06-05-1999	AU BR CN EP	1107999 A 9815215 A 1280487 T 1024785 A	17-05-1999 17-10-2000 17-01-2001 09-08-2000
WO 9937200	A	29-07-1999	AU EP TW	1886899 A 1045662 A 403642 B	09-08-1999 25-10-2000 01-09-2000
WO 9907273	A	18-02-1999	AU BR CN EP ZA	8698298 A 9811725 A 1271260 T 1021121 A 9807193 A	01-03-1999 26-09-2000 25-10-2000 26-07-2000 12-02-1999
WO 9852537	A	26-11-1998	US AU CN EP ZA	6132746 A 7227398 A 1261788 T 0983057 A 9804256 A	17-10-2000 11-12-1998 02-08-2000 08-03-2000 25-11-1998