(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 13 February 2003 (13.02.2003)

PCT

(10) International Publication Number WO 03/011238 A3

(51) International Patent Classification⁷: A61K 7/42

(21) International Application Number: PCT/EP02/08010

(22) International Filing Date: 18 July 2002 (18.07.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

01117748.2 31 July 2001 (31.07.2001) E

(71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HARIVEL, Anne-Cécile [FR/FR]; 9, rue de la Marnière, F-94370 Sucy-en-Brie (FR).

(74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, 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: 28 August 2003

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.

03/011238 A3

(54) Title: SUNSCREEN COMPOSITION

(57) Abstract: The present invention relates to a foamable aqueous composition having UV protection properties comprising at least one hydrophobic organic sunscreen agent and at least one foam builder / stabiliser.

IN RNATIONAL SEARCH REPORT

International Application No PCT/EP 02/08010

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K7/42

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

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{MinImum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{A61K} \end{array}$

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. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of t	Relevant to claim No.			
Х	WO 01 05366 A (PLAYTEX PRODUCT 25 January 2001 (2001-01-25) page 8, line 20 -page 9, line 1,7,8,11,17	1-3,6-9, 11,12			
Х	FR 2 209 561 A (VEB JENAPHARM) 5 July 1974 (1974-07-05) claims 1-4; examples 1,2	1-3,6, 8-12			
X	DATABASE WPI Week 199421 Derwent Publications Ltd., Lor AN 1994-173640 XP002230541 & JP 06 116129 A (PIAS KK), 26 April 1994 (1994-04-26) abstract	ndon, GB;	1-4,6, 8-12,14		
	·	-/			
χ Furth	er 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 a	ctual completion of the international search	Date of mailing of the international sea	rch report		
10) February 2003	20/02/2003			
Name and m	ailing 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 Willekens, G			

IN RNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/08010

C (Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/EP 02/08010
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		Tolopain to siamino.
X	FR 2 765 104 A (J.N. THOREL) 31 December 1998 (1998-12-31) claims 1-24; example 1	1-3,6,8, 10
1	US 5 849 274 A (H. GERS-BARLAG ET AL.) 15 December 1998 (1998-12-15) column 10, line 20 -column 11, line 42; claims 1-19; example 4	1-3,6-13
	EP 0 329 032 A (L'ORÉAL) 23 August 1989 (1989-08-23) claims 1-3,5-12; example 3	1,2,7, 10,13
	·	

IN RNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP 02/08010

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0105366	A	25-01-2001	AU EP WO	6106500 A 1200054 A1 0105366 A1	05-02-2001 02-05-2002 25-01-2001
FR 2209561	A	05-07-1974	DD AT CH FR NL	101101 A1 1001373 A 590056 A5 2209561 A1 7316802 A	20-10-1973 15-06-1975 29-07-1977 05-07-1974 13-06-1974
JP 6116129	A	26-04-1994	NONE		
FR 2765104	Α	31-12-1998	FR	2765104 A1	31-12-1998
US 5849274	A	15-12 - 1998	DE EP JP	19631222 A1 0821946 A2 10067634 A	12-02-1998 04-02-1998 10-03-1998
EP 329032	A	23-08-1989	LU AT CA DE EP ES GR JP US	87131 A1 71279 T 1310914 A1 68900657 D1 0329032 A1 2027804 T3 3003546 T3 1294614 A 5227153 A	20-09-1989 15-01-1992 01-12-1992 20-02-1992 23-08-1989 16-06-1992 16-03-1993 28-11-1989 13-07-1993