(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 February 2007 (15.02.2007)

(10) International Publication Number WO 2007/019048 A3

(51) International Patent Classification: A61K 8/35 (2006.01)

(21) International Application Number:

PCT/US2006/028830

(22) International Filing Date: 25 July 2006 (25.07.2006)

(25) Filing Language: English

(26) Publication Language: **English**

(30) Priority Data:

US 60/704,652 2 August 2005 (02.08.2005) 60/704,652 2 August 2005 (02.08.2005)

(71) Applicant (for all designated States except US): MARY KAY INC. [US/US]; 16251 Dallas Parkway, Addison, TX 75001 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MENTLIK, Anton, A. [US/US]; 1809 Rolling Ridge Dr., Grapevine, TX 76051 (US). FISHER, Louis, B. [US/US]; 2932 Westminster Ave., Dallas, TX 75205 (US).

(74) Agent: KRAWZSENEK, Michael, R.; Fulbright & Jaworski L.L.P., 600 Congress Avenue, Suite 2400, Austin, TX 78701 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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: 8 November 2007

(15) Information about Correction: **Previous Correction:**

see PCT Gazette No. 16/2007 of 19 April 2007

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: HIGH PH COMPOSITIONS

(57) Abstract: Disclosed is a method for tanning skin comprising applying to the skin a sunless tanning composition comprising dihydroxyacetone (DHA) and a high pH composition, where the high pH composition is applied to the skin after the sunless tanning composition is applied to the skin. The high pH composition can increase the effectiveness of the sunless tanning composition by increasing the duration of a tan obtained by using the sunless tanning composition.





INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 06/28830

			PC170S 06	/28830	
A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61K 8/35 (2007.01) USPC 424/59					
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(8) - A61K 8/35 (2007.01) USPC 424/59					
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 practicable, search terms used)					
PUBWEST(PGPB,USPT,USOC,EPAB,JPAB): SUNLESS, TAN, DIHYDROXYACETONE, DOPA, PH, ALKALINE, BASIC, SODIUM HYDROXIDE, POTASSIUM HYDROXIDE, TRIETHANOLAMINE, SKIN, FACE, DERMIS, AMINO ACID, REACTION GOOGLE SCHOLAR: DIHYDROXYACETONE, TAN, PH, ALKALINE, SKIN, MAILLARD REACTION, COLOR, INTENSITY					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	opropriate, of the releva	ant passages	Relevant to claim No.	
×	8-12; col 4, ln 1-4; col 8, ln 12-16; col 9, ln 35-39; col 12, ln 28-33; col 13, ln 12-35; col 13, ln			1-6 and 11-20	
Y				7-10	
Y	US 2002/0102295 A1 (Niemiec et al.) 1 Aug 2002 (01. [0092] and [0103]	08.2002); para [0002],	[0072], [0078],	7 and 8	
Y	US 2003/0124176 A1 (Hsu et al.) 3 Jul 2003 (03.07.2003); para [0233] and [0234]			9 and 10	
Y	NGUYEN ET AL. Factors influencing sunless tanning with dihydroxyacetone. British Journal of Dermatology August 2003, 149(2): 332-340; pg 337, col 2; pg 339, col 2; and the abstract			7 and 8	
Further documents are listed in the continuation of Box C.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "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					
"E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot filing date considered novel or cannot be considered to involve an invent				claimed invention cannot be ered to involve an inventive	
cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention ca				claimed invention cannot be	
	"O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination				
	"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed				
	actual completion of the international search (22.06.2007)	Date of mailing of th	EP 2007	ch report	
Name and mailing address of the ISA/US Authorized officer:					
	T, Attn: ISA/US, Commissioner for Patents io, Alexandria, Virginia 22313-1450		Lee W. Young		
	o. 571-273-3201	PCT Helpdesk: 571-272-4304 PCT OSP: 571-272-7774			