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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 March 2013 (28.03.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/044111 A1

(51) International Patent Classification:
A61K 31/07 (2006.01)

(21) International Application Number:
PCT/US2012/056681

(22) International Filing Date:
21 September 2012 (21.09.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/243,567 23 September 2011 (23.09.2011) US

(71) Applicant *(for all designated States except US)*: **SKINMEDICA, INC.** [US/US]; 5909 Sea Lion Place, Suite H, Carlsbad, CA 92010 (US).

(72) Inventors; and
(71) Applicants *(for US only)*: **COLVAN, Lora** [US/US]; 1354 Nightshade Road, Carlsbad, CA 92011 (US). **MEHTA, Rahul** [US/US]; 695 Shenandoah Avenue, San Marcos, CA 92078 (US). **SONTI, Sujatha** [US/US]; 1273 Avenida Fragata, San Marcos, CA 92069 (US).

(74) Agent: **WESTIN, Lorelei, P.**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304-1050 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

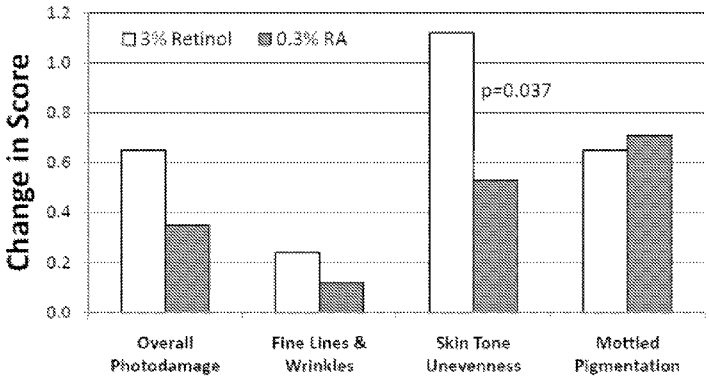
Published:

— *with international search report (Art. 21(3))*

WO 2013/044111 A1

(54) **Title**: COMPOSITIONS FOR SKIN EXFOLIATION AND USE THEREOF

FIG. 8



(57) **Abstract**: The present invention provides a skin peel composition including a plurality of substances, such as lactic acid, salicylic acid, and resorcinol and, additionally a post-inflammatory hyper pigmentation reducing substance such as a retinol (vitamin A) or retinol derivative. Skin is first prepared using an alcohol preparation followed by a combination of acids and, lastly, a retinol or retinol derivatives. Other agents such as ascorbic acid (vitamin C) and vitamin E can be added as needed. Application of the skin peel composition may be either topically in the form of a cream or gel, and may further be injected subcutaneously into the skin to achieve deeper penetration of the composition within the skin layers of the area to be treated.