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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 September 2015 (24.09.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/142527 A1

(51) **International Patent Classification**:
A61K 8/92 (2006.01) *A61Q 19/00* (2006.01)
A61Q 17/04 (2006.01) *A61K 8/06* (2006.01)

(21) **International Application Number**:
PCT/US2015/018853

(22) **International Filing Date**:
5 March 2015 (05.03.2015)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/954,150 17 March 2014 (17.03.2014) US

(71) **Applicant**: **MANTROSE-HAEUSER CO., INC.** [US/US]; 1175 Post Road East, Westport, CT 06880 (US).

(72) **Inventor**: **BARRIE, William, E.**; 684 Burr Street, Fairfield, CT 06824 (US).

(74) **Agents**: **MILLER, John, E.** et al.; Calfee, Halter & Griswold LLP, 1405 East Sixth Street, Cleveland, OH 44114-1607 (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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

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

WO 2015/142527 A1

(54) **Title**: SHELLAC BASED SKIN CARE LOTION

(57) **Abstract**: Provided are water-based skin care compositions, especially water-based skin care lotions. It has been found that water-based moisturizing compositions exhibiting improved moisturizing properties can be produced by including a small but suitable amount of a water-soluble shellac or analog in the composition. In particular, it has been found that water-based moisturizing compositions which contain a small but suitable amount of a water-soluble shellac or analog dissolved in the aqueous phase of the composition exhibit significantly improved barrier film properties, as determined by conventional electroconductivity and transdermal water loss tests.