

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 March 2023 (16.03.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/039222 A9

(51) International Patent Classification:

A61B 5/00 (2006.01) *A45D 44/00* (2006.01)
G01J 3/50 (2006.01) *G06V 10/22* (2022.01)
G06F 16/9535 (2019.01) *G06Q 30/0601* (2023.01)
G06T 7/90 (2017.01)

(71) Applicant: **SEPHORA USA, INC.** [US/US]; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US).

(72) Inventors: **TENDULKAR, Prasad**; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US). **MENSAH, Nelly**; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US). **TERESA, Anna**; 549 Hayes Street, Hazelton, PA 18201 (US). **BERTONE, Jillian**; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US). **ZHU, Lisa**; 1706 Ralston Avenue, Belmont, CA 94002 (US). **STOKES, Jennifer**; 6530 21st Avenue NW, Seattle, WA 98117 (US). **LIUJANTO, Witono**; 2479 Canyon Lakes Drive, San Ramon, CA 94582 (US). **OELCKERS, Aaron**; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US). **MCCOTTER, Marc**; PO Box 248, Hana, HI 96713 (US). **HADDAR, Harsha**; 232 Louis Court, Livermore, CA 94550 (US). **KAVANAGH, Fiona**; 525 Market Street, 32nd Floor, San Francisco, CA 94105 (US). **ADIRAJU,**

(21) International Application Number:

PCT/US2022/043155

(22) International Filing Date:

09 September 2022 (09.09.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/261,060 09 September 2021 (09.09.2021) US

(54) Title: MATCHING COSMETICS AND SKIN CARE PRODUCTS BASED ON SKIN TONE AND SKIN CONDITION SCANNING

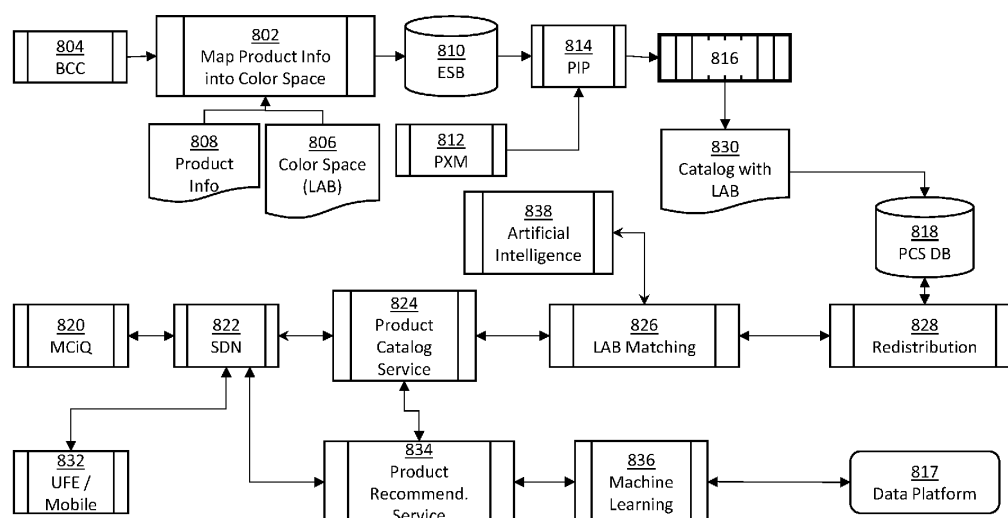


FIG. 8B

(57) **Abstract:** Scanning a person's skin allows one to more easily find products that match their skin tone and skin condition. A skin scan can assist one to determine what products are appropriate for them and then purchase them from a retailer. A scanning device is used to scan one or more locations of a person's skin. For example, two different locations of a person's face can be scanned, such as the forehead and cheek. An additional third scan may be near the person's eyes. The scan determines skin tone and skin condition results for the person's skin. These results can be used to determine and present a listing of products that are appropriate for the person's skin tone and skin condition.

[Continued on next page]

Amit; 2831 Humbolt Avenue, Santa Clara, CA 95051 (US).
JANARDHAN, Naroju; 329 Arrowleaf Street, San Ramon, CA 94582 (US).

(74) **Agent: CHAN, Melvin, D.** et al.; Aka Chan LLP, 900 Lafayette Street, Suite 710, San Clara, CA 95050 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, SC, 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))

(88) **Date of publication of the international search report:**

08 June 2023 (08.06.2023)

(48) **Date of publication of this corrected version:**

08 February 2024 (08.02.2024)

(15) **Information about Correction:**

see Notice of 08 February 2024 (08.02.2024)

Previous Correction:

see Notice of 04 May 2023 (04.05.2023)