

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 June 2021 (10.06.2021)



(10) International Publication Number
WO 2021/111303 A1

(51) International Patent Classification:

C08B 37/00 (2006.01) C08J 3/075 (2006.01)
A61L 27/52 (2006.01) C08L 5/08 (2006.01)
C08B 37/08 (2006.01)

(21) International Application Number:

PCT/IB2020/061336

(22) International Filing Date:

01 December 2020 (01.12.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/942,624 02 December 2019 (02.12.2019) US

(71) Applicant: **GALDERMA HOLDING SA** [CH/CH]; Rue d'Entre-deux-Villes, 10, 1814 La Tour-de-Peilz (CH).

(72) Inventors: **OLSSON, Johan**; Ulvsunda Slottsväg 15, 16733 Bromma (SE). **KARLSSON, Morgan**; Almunge prästgård 18, 74010 Almunge (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available):

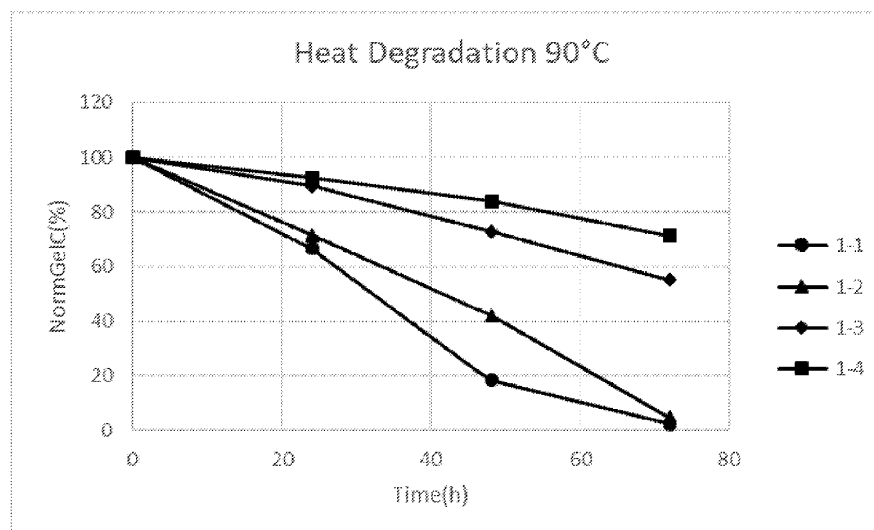
AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, 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, 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).

(54) Title: HIGH MOLECULAR WEIGHT ESTHETIC COMPOSITIONS

FIG. 1



(57) Abstract: Described are high molecular weight glycosaminoglycan (GAG) hydrogel compositions comprising GAGs covalently crosslinked with a carbohydrate crosslinker, and methods of making the high molecular weight GAG hydrogel compositions. Further described are methods of using the high molecular weight glycosaminoglycan (GAG) hydrogel compositions for reparative or plastic surgery, esthetic dermatology, facial contouring, body contouring, and gingival augmentation.

[Continued on next page]

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE