



(51) International Patent Classification:

A61K 31/05 (2006.01) *A61K 9/06* (2006.01)
A61K 31/231 (2006.01) *A61P 17/00* (2006.01)
A61K 31/7008 (2006.01) *A61P 17/18* (2006.01)
A61K 8/06 (2006.01)

(21) International Application Number:

PCT/IB2013/054606

(22) International Filing Date:

4 June 2013 (04.06.2013)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

BS2012A000092 4 June 2012 (04.06.2012) IT

(71) Applicant: GENERAL TOPICS S.R.L. [IT/IT]; Via Lungolago Zanardelli, 32, I-25087 Salò (BS) (IT).

(72) Inventor: DE PAOLI AMBROSI, Gianfranco; Via Cure del Lino, 32, I-25087 Salò (BS) (IT).

(74) Agent: BIESSE S.R.L.; Via Corfù, 71, I-25124 Brescia (BS) (IT).

(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, 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, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— 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))

(54) Title: MIXTURE FOR THE INHIBITION OF MELANIN BIOSYNTHESIS

(57) Abstract: The present invention relates to a mixture comprising acetylglucosamine and 4-(1-phenylethyl)-1,3-benzenediol for use as a cosmetic and/or medicament, and particularly for the inhibition of melanin biosynthesis, and to a cosmetic and/or pharmaceutical formulation comprising such a mixture for the treatment of hyperpigmented lesions of the skin such as, for example but without limitation, lentigo solaris, age spots, melasma and chloasma, for rendering uniform the color of the skin, for counteracting the formation of free radicals, and for counteracting or preventing signs of skin aging such as wrinkles and lack of skin tone, and generally for improving the aesthetic conditions of the skin.



WO 2013/182996 A1