

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
02 September 2021 (02.09.2021)



(10) International Publication Number
WO 2021/171215 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) *A61K 31/728* (2006.01)
A61K 31/365 (2006.01) *A61P 17/00* (2006.01)
A61K 31/685 (2006.01) *A61Q 19/00* (2006.01)

(21) International Application Number:

PCT/IB2021/051573

(22) International Filing Date:

25 February 2021 (25.02.2021)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:

102020000004069 27 February 2020 (27.02.2020) IT

(71) Applicant: **RICERFARMA S.R.L.** [IT/IT]; Via Egadi, 7,
20144 Milano (IT).

(72) Inventor: **CERINI, Roberto**; Via Moncenisio, 11, 35020
Albignasego (PD) (IT).

(74) Agent: **MINOJA, Fabrizio**; c/o Bianchetti & Minoja S.r.l.,
Via Plinio, 63, 20129 Milano (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, 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).

Published:

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

(54) Title: TOPICAL COMPOSITIONS DESIGNED TO MAINTAIN AND/OR RESTORE THE INTEGRITY OF THE MUCOSA AND DAMAGED EPIDERMIS

(57) Abstract: Disclosed are topical mucoadhesive compositions comprising hyaluronic acid or a salt thereof, choline alfoscerate, an ascorbic acid ester at a concentration ranging between 0.050% w/w and 0.0004% w/w, and at least one pharmaceutically acceptable excipient or carrier.



WO 2021/171215 A1