

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 February 2008 (14.02.2008)

PCT

(10) International Publication Number
WO 2008/017401 A1

(51) International Patent Classification:

A23L 1/275 (2006.01) C12P 23/00 (2006.01)
C07C 11/28 (2006.01) A23L 1/30 (2006.01)
C09B 61/00 (2006.01)

(21) International Application Number:

PCT/EP2007/006747

(22) International Filing Date: 30 July 2007 (30.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

06016475.3 8 August 2006 (08.08.2006) EP

(71) Applicant (for all designated States except US): **INDENA S.P.A.** [IT/IT]; Viale Ortles, 12, I-20139 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GIORI, Andrea** [IT/IT]; Viale Ortles, 12, I-20139 Milano (IT).
FRANCESCHI, Federico [IT/IT]; Viale Ortles, 12, I-20139 Milano (IT).

(74) Agents: **MINOJA, Fabrizio** et al.; Bianchetti Bracco Minoja S.r.l., Via Plinio, 63, I-20129 Milano (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(54) Title: STABLE AND BIOAVAILABLE COMPOSITIONS OF ISOMERS OF LYCOPENE FOR SKIN AND HAIR

(57) Abstract: The present invention relates to a method of manufacturing a stable composition enriched in cis-lycopene (z-isomers) by prolonged heating in solvents of tomatoes, parts of tomatoes, derivative thereof or tomato extracts in solvents.

WO 2008/017401 A1