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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 June 2016 (02.06.2016)

WIPO | PCT

(10) International Publication Number
WO 2016/086128 A1

(51) International Patent Classification:
A61K 31/355 (2006.01) *A23L 33/10* (2016.01)
A23L 33/15 (2016.01)

(21) International Application Number:
PCT/US2015/062667

(22) International Filing Date:
25 November 2015 (25.11.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/084,326 25 November 2014 (25.11.2014) US

(71) Applicant: **ABBOTT LABORATORIES** [US/US]; Dept. 377/AP6A-1, 100 Abbott Park Road, Abbott Park, Illinois 60064 (US).

(72) Inventors: **KUCHAN, Matthew**; 7252 Hawksbeard Drive, Westerville, Ohio 43082 (US). **LAI, Chron-Si**; 1616 Wyatt Way, Blacklick, Ohio 43004 (US). **BOFF, Jacqueline**; 5950 Trafalgar Lane, Dublin, Ohio 43016 (US).

(74) Agents: **EDMAN, Katherine** et al.; Calfee, Halter & Griswold LLP, The Calfee Building, 1405 East Sixth Street, Cleveland, Ohio 44114-1607 (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, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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, 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, 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: METHOD OF IMPROVING VISUAL PROCESSING, VISUAL ACUITY, OR BOTH BY ADMINISTERING COMPOSITIONS COMPRISING RRR-ALPHA-TOCOPHEROL AND CAROTENOID TO INFANTS

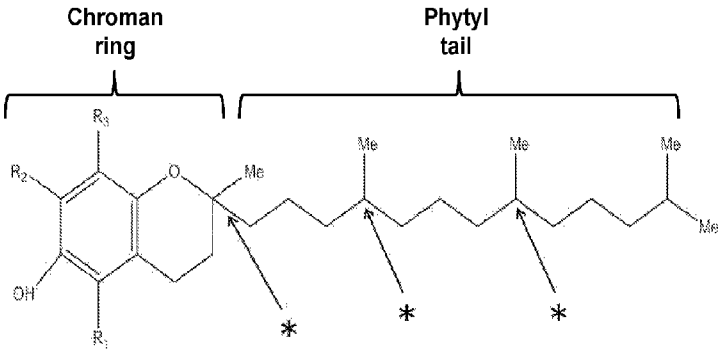


Fig. 1

(57) Abstract: Methods for improving the visual processing of a healthy infant by administering a composition comprising RRR-alpha-tocopherol and a carotenoid to the infant are disclosed. Methods for improving the visual acuity of a healthy infant by administering a composition comprising RRR-alpha-tocopherol and a carotenoid to the infant are also disclosed. Methods for improving the visual processing of a healthy infant by administering a composition comprising RRR-alpha-tocopherol to the infant are disclosed. Methods for improving the visual acuity of a healthy infant by administering a composition comprising RRR-alpha-tocopherol to the infant are also disclosed. Methods for improving the development of the visual processing, visual acuity, or both, of an infant by administering a composition comprising RRR-alpha-tocopherol to the infant are also disclosed.

WO 2016/086128 A1