



(51) International Patent Classification:

A23L 1/29 (2006.01) A23L 1/304 (2006.01)  
A23L 1/302 (2006.01) A23L 1/308 (2006.01)

(21) International Application Number:

PCT/US2011/056463

(22) International Filing Date:

14 October 2011 (14.10.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/393,235 14 October 2010 (14.10.2010) US  
61/415,096 18 November 2010 (18.11.2010) US

(71) Applicant (for all designated States except US): **ASHA LIPID SCIENCES, INC.** [US/US]; P.O. Box 1000, Palo Alto, California 94302 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BHAGAT, Urvashi** [US/US]; P.O. Box 1000, Palo Alto, California 94302 (US).

(74) Agents: **WU, Nan** et al.; Cooley LLP, 777 6th Street, NW, Suite 1100, Washington, District of Columbia 20001 (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, 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, 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, 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, MD, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

19 July 2012

(54) Title: OPTIMIZED NUTRITIONAL FORMULATIONS, METHODS FOR SELECTION OF TAILORED DIETS THEREFROM, AND METHODS OF USE THEREOF

(57) Abstract: Nutritional compositions and formulations that optimize nutritional contents are provided. Dietary compositions and methods for tailoring such compositions to optimize levels of nutrients that have beneficial effects within specific ranges are provided. Dietary plans, and formulations comprising dietary products that comprise optimized levels of nutrients derived from phytochemicals, antioxidants, vitamins, minerals, lipids, proteins, carbohydrates, probiotics, prebiotics, microorganisms and fiber. Diet plans and modular nutritional packages comprising food and drink items tailored according to consumer patterns typed by diet, age, size, gender, medical conditions, family history, climate and the like are provided.

