



(43) International Publication Date
26 June 2014 (26.06.2014)

(10) International Publication Number
WO 2014/099795 A1

(51) International Patent Classification:

A23C 9/15 (2006.01) A23L 1/29 (2006.01)
A23L 2/66 (2006.01) A61K 38/01 (2006.01)

(21) International Application Number:

PCT/US2013/075412

(22) International Filing Date:

16 December 2013 (16.12.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/738,785 18 December 2012 (18.12.2012) US

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

(72) Inventors: CHAPMAN, Timothy; 4934 Backworth Drive,
Grove City, OH 43123 (US). DEWILLE, Normanella;
2580 Clairmont Court, Columbus, OH 43220 (US).
LOWE, Kelley; 4284 Landhigh Lakes Drive, Powell, OH
43065 (US). MAZER, Terrence; 7032 Cunningham
Drive, New Albany, OH 43054 (US).

(74) Agents: JOVANOVIĆ, Milan et al.; Abbott Nutrition a
Division of Abbott Laboratories, 3300 Stelzer Road, Dept
108140 RP3-2, Columbus, OH 43219 (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, 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, 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, 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))
- 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))

(54) Title: LOW VISCOSITY, HIGH CALORIC DENSITY ORAL NUTRITIONAL COMPOSITION AND RELATED METHODS

(57) Abstract: Disclosed embodiments provide low viscosity, high caloric density liquid nutritional compositions. The use of non-micellar milk protein in combination with hydrolyzed caseinate and unique formulation methods allow for improved organoleptic qualities and the production of liquid nutritional compositions displaying low viscosity along with a high caloric density.



WO 2014/099795 A1