

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 August 2011 (04.08.2011)

(10) International Publication Number
WO 2011/094548 A1

PCT

(51) International Patent Classification:

A23L 1/29 (2006.01) *B65B 55/12* (2006.01)
A23L 1/30 (2006.01) *B65D 81/34* (2006.01)
A23L 3/00 (2006.01) *B67C 7/00* (2006.01)
B65B 55/00 (2006.01)

(21) International Application Number:

PCT/US2011/022932

(22) International Filing Date:

28 January 2011 (28.01.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/299,611 29 January 2010 (29.01.2010) US

(71) Applicant (for all designated States except US): **ABBOTT LABORATORIES** [US/US]; Dept 377/AP6P-1, 100 Abbott Park Road, Abbott Park, Illinois 60064 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JOHNS, Paul, W** [US/US]; 3115 Rightmire Blve, Columbus, Ohio 43221 (US). **KENSLER, Ann** [US/US]; 340 Pump Station Road, Sugar Grove, Ohio 43155 (US).

(74) Agents: **Winter, William, J** et al.; Abbott Nutrition a division of, Abbott Laboratories, Dept 108140 RP3-2, 3300 Stelzer Road, Columbus, Ohio 43219-3034 (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, RO, RS, RU, 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, 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).

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: ASEPTICALLY PACKAGED NUTRITIONAL LIQUIDS COMPRISING HMB

(57) Abstract: Disclosed are nutritional compositions comprising a peroxide-treated aseptic package and a nutritional liquid contained therein, wherein the nutritional liquid comprises beta-hydroxy-beta-methylbutyrate (HMB) and at least one of fat, carbohydrate, and protein. The HMB provides a buffering effect in the nutritional liquid to thus minimize an acidic pH shift that is prevalent in aseptically sterilized packages, and thus helps maintain product stability over time.



WO 2011/094548 A1