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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 January 2009 (08.01.2009)

PCT

(10) International Publication Number
WO 2009/004076 A3

(51) **International Patent Classification**:
A61K 35/74 (2006.01) *A61P 3/00* (2006.01)
A61P 3/10 (2006.01)

(21) **International Application Number**:
PCT/EP2008/058640

(22) **International Filing Date**:
4 July 2008 (04.07.2008)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
07111871.5 5 July 2007 (05.07.2007) EP

(71) **Applicant** *(for all designated States except US)*: **NESTEC S.A.** [CH/CH]; Avenue Nestlé 55, CH-1800 Vevey (CH).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **SALMINEN, Seppo** [FI/FI]; Multavierunkatu 1 A 3, FIN-20100 Turku (FI). **ISOLAURI, Erika** [FI/FI]; Niemimaentie 77, FIN-01900 Nrumijarvi (FI). **LAITINEN, Kirsi** [FI/FI]; Koronniityntie 23 A 4, FIN-20780 Kaarina (FI).

(74) **Agent**: **CORTICCHIATO, Olivier**; Avenue Nestlé 55, CH-1800 Vevey (CH).

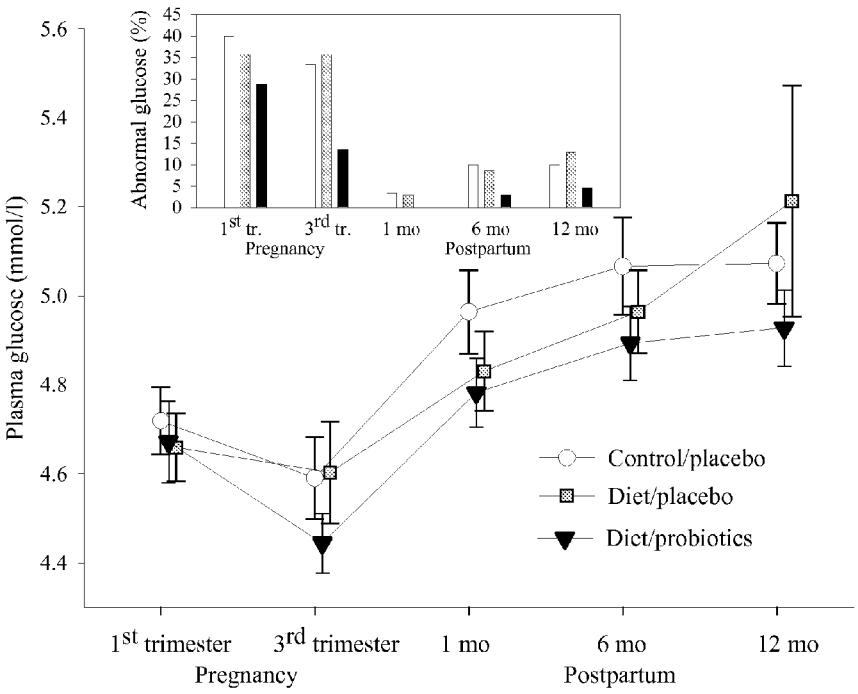
(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV,

[Continued on next page]

(54) **Title**: SUPPLEMENTION OF MATERNAL DIET

Figure 1



(57) **Abstract**: The use of probiotic bacteria in the manufacture of a composition for administration to a woman in at least the third trimester of pregnancy for prevention of gestational diabetes, normalising plasma glucose concentration and/or increasing insulin sensitivity.

WO 2009/004076 A3

MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, 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))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

— *of inventorship (Rule 4.17(iv))*

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:
24 September 2009