

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 September 2023 (07.09.2023)



(10) International Publication Number
WO 2023/165856 A1

(51) International Patent Classification:

A61K 31/20 (2006.01) *A61K 36/605* (2006.01)
A61K 31/202 (2006.01) *A61P 3/10* (2006.01)
A61K 31/445 (2006.01) *A61P 9/00* (2006.01)
A61K 31/733 (2006.01)

SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))

(21) International Application Number:

PCT/EP2023/054356

(22) International Filing Date:

22 February 2023 (22.02.2023)

Published:

- with international search report (Art. 21(3))

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/315,752 02 March 2022 (02.03.2022) US

(71) Applicant: **SOCIÉTÉ DES PRODUITS NESTLÉ S.A.**
[CH/CH]; Avenue Nestlé 55, 1800 Vevey (CH).

(72) Inventors: **MOULLAN, Norman**; Chemin Warnery, 7b, 1162 ST-PREX (CH). **DARIMONT-NICOLAU, Christian**; Chemin de la Vuachère 29B, 1012 LAUSANNE (CH). **DING, Tze Wan, Cherlyn**; Blk 902 Tampines Avenue 4, #13-216, Singapore 520902 (SG). **FU, Qu**; 20-1-601, YiAnJiaYuan, Linglong Road, Haidian District, Beijing, Beijing 100089 (CN).

(74) Agent: **CHAUTARD, Cécile**; Avenue Nestlé 55, 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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: USE OF A COMPOSITION FOR MANAGING POSTPRANDIAL GLUCOSE RESPONSE AND ASSOCIATED DISORDERS

(57) Abstract: The present invention generally relates to the use of a composition comprising mulberry leaf extract, a source of fiber and a source of unsaturated fatty acids to decrease postprandial glucose (PPG) response. More particularly, it relates to the use of such composition, administered with a meal, to decrease postprandial glucose (PPG) response. The invention also relates to a composition comprising a mulberry leaf extract, a source of fiber and a source of unsaturated fatty acids, administered with a meal, for use in the treatment and/or prevention of a disorder linked to postprandial glucose and/or postprandial insulin in a subject.

WO 2023/165856 A1