

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
20 March 2025 (20.03.2025)



(10) International Publication Number
WO 2025/056631 A1

(51) International Patent Classification:

A23B 7/16 (2006.01) A23G 3/54 (2006.01)
A23G 1/54 (2006.01) A23L 19/00 (2016.01)

(21) International Application Number:

PCT/EP2024/075410

(22) International Filing Date:

11 September 2024 (11.09.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/537,703 11 September 2023 (11.09.2023) US
2316760.4 01 November 2023 (01.11.2023) GB

(71) Applicant: CIBO VITA, INC. [US/US]; 12 Vreeland Avenue, Totowa, New Jersey 07512 (US).

(72) Inventors: BLEIEL, Sinead; 11 Herbert Sreet, Dublin, D02 RW27 (IE). OZAVAR, Samil; 12 Vreeland Avenue, Totowa, New Jersey 07512 (US). IMAMOGLU, Emre; 12 Vreeland Avenue, Totowa, New Jersey 07512 (US). FAN, Yaxin; 12 Vreeland Avenue, Totowa, New Jersey 07512 (US).

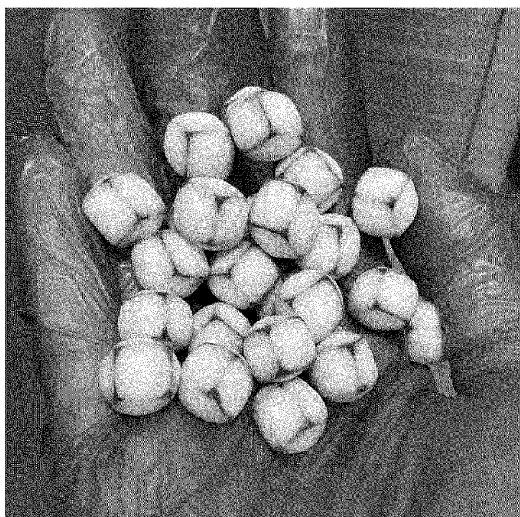
(74) Agent: PURDYLUCEY INTELLECTUAL PROPERTY; 6-7 Harcourt Terrace, Dublin, D02 FH73 (IE).

(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, MU, 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, 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, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: AN EDIBLE PRODUCT COMPRISING A SOLID CENTER AND A COATING OF FATTY MATERIAL

FIGURE 6C



(57) Abstract: A process for producing an edible product comprising a center coated with a fatty material, comprises: applying a discontinuous coat of fatty material to a surface of the carbohydrate centre, to provide a partially coated center having an amphiphilic surface; drying the partially coated center; applying an intermediate coat of fatty material and probiotic bacteria to the partially coated centre; drying the intermediate coat; and applying a continuous third coat of fatty material on the second coat of fatty material. An edible food product containing encapsulated probiotic bacteria stabilised and protected within a coating of fatty material is also disclosed.

WO 2025/056631 A1

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*