

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2023/163645 A1

(43) International Publication Date
31 August 2023 (31.08.2023)

(51) International Patent Classification:
A23D 9/04 (2006.01) *A23P 30/20* (2016.01)
A23D 9/02 (2006.01)

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

(21) International Application Number:
PCT/SE2023/050168

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))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(22) International Filing Date:
24 February 2023 (24.02.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2230056-0 25 February 2022 (25.02.2022) SE

(71) Applicant: **AAK AB** [SE/SE]; Skrivaregatan 9, 215 32
Malmö (SE).

(72) Inventors: **NETTLETON, Dana**; c/o AAK AB, Skrivaregatan 9, 215 32 Malmö (SE). **STEFFEY, Jaclyn S.**; c/o AAK AB, Skrivaregatan 9, 215 32 Malmö (SE). **GAVAZI, Gazmend**; c/o AAK AB, Skrivaregatan 9, 215 32 Malmö (SE). **GLOVER, Nigel**; c/o AAK AB, Skrivaregatan 9, 215 32 Malmö (SE).

(74) Agent: **MATHYS & SQUIRE**; Theatinerstraße 7, 80333 München (DE).

(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: A SOLID VEGETABLE FAT GRANULATE, PROCESS FOR THE PREPARATION THEREOF, AND FOOD PRODUCTS PREPARED THEREFROM

(57) Abstract: The present invention relates to a solid vegetable fat granulate, or composition thereof, a process for its preparation, as well as food products comprising the same, where the granulate mimics the organoleptic properties of granulate typically dispersed throughout ground or minced meat-based food products. In one aspect, the present invention provides a process for preparing vegetable fat granulate, said process comprising the steps of: i) providing a solid vegetable fat, or composition thereof, for extrusion; ii) extruding the solid vegetable fat, or composition thereof, through a die and cutting so as to form vegetable fat granulate; wherein the process is adapted such that during extrusion and cutting in step ii) the solid vegetable fat, or composition thereof, exhibits a hardness such that the vegetable fat, or composition thereof, fractures under a force of no less than 1.5 kgf (14.71 N), as, for instance, determined by the bending test in the description. P72006WO



WO 2023/163645 A1