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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 August 2025 (14.08.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/169198 A1

(51) International Patent Classification:
A23L 13/72 (2023.01) *A23L 29/00* (2016.01)
C12N 5/00 (2006.01) *C12N 5/077* (2010.01)

(21) International Application Number:
PCT/IL2025/050129

(22) International Filing Date:
06 February 2025 (06.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/550,640 07 February 2024 (07.02.2024) US

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

(54) Title: FAT ACCUMULATING FISH CELLS AND A METHOD FOR PREPARING SAME

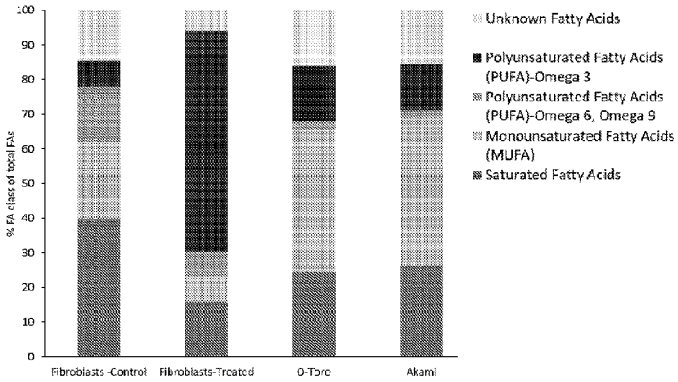

FIGURE 7B

(57) Abstract: The present invention provides a method for inducing fat accumulation in a cell of a fish, including contacting a cell obtained or derived from a fish with an effective amount of a composition including: (i) a fat accumulation inducing agent; and (ii) a carrier, wherein the fat accumulation inducing agent consists essentially of a free fatty acid and a peroxisome proliferator-activated receptor gamma (PPARγ) agonist. Further provided are a cultured fish cell including an increased amount of a PUFA and a reduced amount of MUFA, compared to a control fish cell, and an edible composition including the same.

WO 2025/169198 A1

[Continued on next page]

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))*