



(51) International Patent Classification:

A23K 10/37 (2016.01) A23K 50/30 (2016.01)
A23K 50/10 (2016.01)

(21) International Application Number:

PCT/US2021/059122

(22) International Filing Date:

12 November 2021 (12.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/112,849 12 November 2020 (12.11.2020) US

(71) Applicant: **C16 BIOSCIENCES, INC.** [US/US]; 180 Var-
ick Street, Floor 6, New York, NY 10014 (US).

(72) Inventors: **MCNAMARA, Harold, M.**; 703 Rogers Av-
enue, Apt. 5B, Brooklyn, NY 11226 (US). **TICKU, Shara**;
100 Reade Street, Apt. 2B, New York, NY 10013 (US).
HELLER, David; 306 West 30th Street, Apt. 3R, New
York, NY 10001 (US). **MOEVUS, Corentin**; 1161 York
Avenue, Apt. 1D, New York, NY 10065 (US).

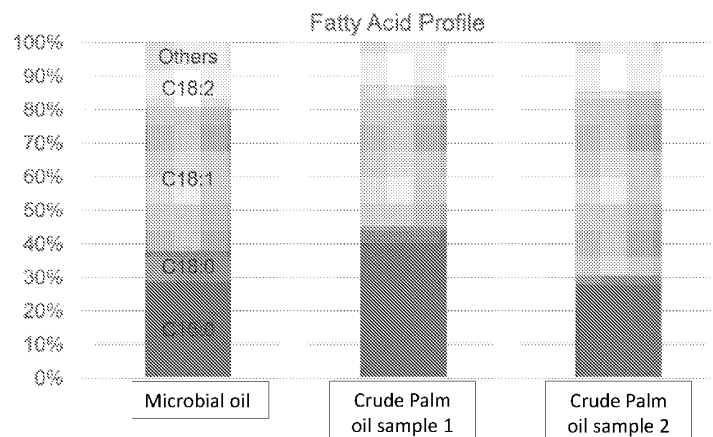
(74) Agent: **HOLLY, David, C.** et al.; Cooley LLP, 1299 Penn-
sylvania Avenue, Suite 700, Washington, DC 20004 (US).

(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, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, 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, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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: EDIBLE MICROBIAL OIL

FIG. 7D



(57) Abstract: The present disclosure relates to a microbial oil and/or derivative thereof, wherein the oil is produced by an oleaginous yeast. The disclosure also relates to blended fat compositions comprising a vegetable oil and an edible microbial oil. The disclosure further relates edible microbial oils and derivatives, and to food products comprising an edible microbial oil and/or a derivative thereof, and/or a blended fat composition, and methods of producing such food products. The microbial oil may serve as vegetable oil alternatives and be processed and/or derivatized by any number of means known in the art.

[Continued on next page]

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))*

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))*