

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 September 2021 (02.09.2021)



(10) International Publication Number
WO 2021/174226 A1

(51) International Patent Classification:

A23L 33/17 (2016.01) C07K 1/14 (2006.01)
A23J 1/14 (2006.01) C07K 14/415 (2006.01)
A23J 3/14 (2006.01) G01N 33/68 (2006.01)
A23J 3/16 (2006.01) A23C 11/10 (2021.01)
A23L 33/185 (2016.01) A23L 13/40 (2016.01)

(21) International Application Number:

PCT/US2021/020356

(22) International Filing Date:

01 March 2021 (01.03.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/983,558 28 February 2020 (28.02.2020) US
62/993,675 23 March 2020 (23.03.2020) US

(71) Applicant: **IMPOSSIBLE FOODS INC.** [US/US]; 400
Saginaw Drive, Redwood City, California 94063 (US).

(72) Inventors: **LI, Xin**; 3302 Sutton Loop, Fremont, California 94536 (US). **MAI, Michelle**; 50 Bismark St., Daly City, California 94014 (US). **CHEN, Yiming**; 39663 Leslie St., Apt 431, Fremont, California 94538 (US). **VARADAN,**

Ranjani; 1580 Skelton Ct., Fremont, California 94536 (US).

(74) Agent: **MAIZE, Kimberly M.** et al.; Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (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,

(54) Title: MATERIALS AND METHODS FOR PROTEIN PRODUCTION

(57) Abstract: This document relates to materials and methods for the production of protein. For example, proteins having a low flavor or low color profile and food products comprising the same.

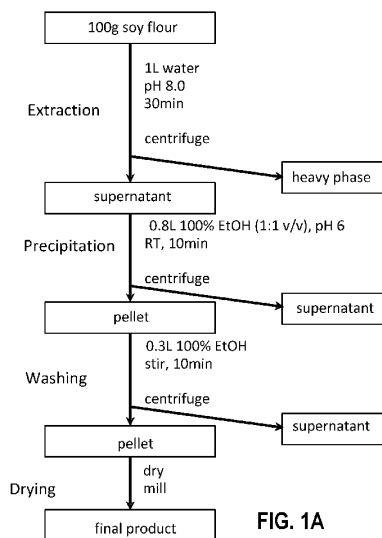


FIG. 1A

WO 2021/174226 A1

[Continued on next page]

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

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))*
- *with sequence listing part of description (Rule 5.2(a))*