

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 May 2022 (12.05.2022)



(10) International Publication Number
WO 2022/097140 A1

(51) International Patent Classification:

A23J 3/22 (2022.01) C12M 1/12 (2022.01)
A23J 3/18 (2022.01) C12N 5/00 (2022.01)
A23L 33/185 (2022.01) C12N 5/077 (2022.01)
A23L 33/195 (2022.01) C12N 5/0775 (2022.01)
C12M 1/00 (2022.01) C12N 5/071 (2022.01)

(21) International Application Number:

PCT/IL2021/051304

(22) International Filing Date:

03 November 2021 (03.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/108,891 03 November 2020 (03.11.2020) US

(71) Applicant: **ALEPH FARMS LTD.** [IL/IL]; 10 Menachem
Plaut Street, 7670609 Rehovot (IL).

(72) Inventors: **LAVON, Neta**; 27 Hakramim Street, 7400441
Ness Ziona (IL). **KRAUS, David**; 8 Yafa Yarkoni Street,
4813942 Rosh Haayin (IL).

(74) Agent: **WEBB, Cynthia** et al.; WEBB & CO., P.O. BOX
4177, 7414003 Ness Ziona (IL).

(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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

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))

(54) Title: EDIBLE PROTEIN PRODUCTS

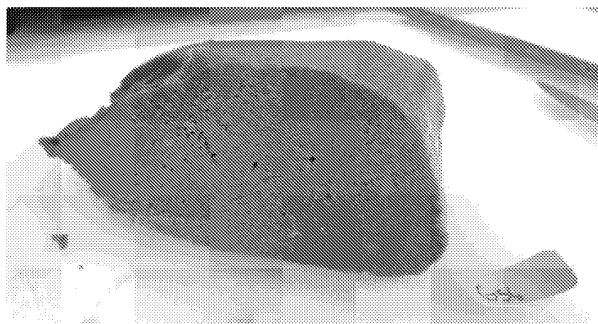


FIGURE 3B

(57) Abstract: The present invention provides edible porous products based on non-animal proteins, which may be used as a protein-based food *per se*, as well as a scaffold for cell cultures, particularly for the production of cultured food products.



WO 2022/097140 A1