

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 October 2023 (26.10.2023)



(10) International Publication Number
WO 2023/204719 A1

(51) International Patent Classification:

A23K 10/30 (2016.01) A23K 50/80 (2016.01)

A23K 40/00 (2016.01)

(21) International Application Number:

PCT/NO2023/050088

(22) International Filing Date:

19 April 2023 (19.04.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20220448 19 April 2022 (19.04.2022) NO

(71) Applicants: NUTRECO IP ASSETS B.V. [NL/NL]; Veerstraat 38, NL-5831 JN Boxmeer (NL). SKRETTING AQUACULTURE RESEARCH CENTRE AS [NO/NO]; Postboks 319 Sentrum, 4002 Stavanger (NO).

(72) Inventors: CHUA, Seong-Chea; Skiftesvikveien 3, 4072 Randaberg (NO). DHERT, Philippe; Eikestraat 40A, 9550 Steenhuize-Winhuize (BE).

(74) Agent: HÅMSØ PATENTBYRÅ AS; P.O. Box 9, 4068 Stavanger (NO).

(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, 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).

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: GEL STRUCTURE TO FACILITATE LIVE FEED SUBSTITUTION FOR EARLY LIFE STAGES OF AQUATIC ORGANISMS

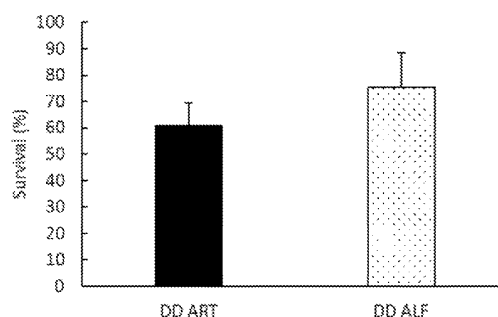


Fig. 3A

(57) Abstract: A nutrimental complement suitable for ingestion by larvae of shrimp or fish is disclosed. The nutrimental complement comprises a particulate gel structure comprising agar, an attractant and water; and an aqueous medium comprising at least one salt. The particulate gel structure may be formed into gelled particles, e.g., granules, and the gelled particles may be added to the aqueous medium. The invention also relates to a method of preparing the nutrimental complement and a method of co-feeding the nutrimental complement to shrimp larvae or fish larvae with at least one wet or dry feed, e.g., a complete wet or dry feed.



WO 2023/204719 A1