

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2019/140103 A1

(43) International Publication Date
18 July 2019 (18.07.2019)

(51) International Patent Classification:

A01K 67/027 (2006.01) C12N 15/85 (2006.01)

(21) International Application Number:

PCT/US2019/013072

(22) International Filing Date:

10 January 2019 (10.01.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/615,638	10 January 2018 (10.01.2018)	US
62/615,634	10 January 2018 (10.01.2018)	US
62/615,628	10 January 2018 (10.01.2018)	US
62/615,625	10 January 2018 (10.01.2018)	US

(71) Applicant: **GLOFISH, LLC** [US/US]; One Rider Trail Plaza Drive, Suite 300, Earth City, MO 63045 (US).

(72) Inventors: **BLAKE, Alan**; P.O. Box 202695, Austin, TX 78720 (US). **CROCKETT, Richard**; 262 Mountain Road, Wilton, CT 06897 (US). **NASEVICIUS, Aidan**; 3318 West Pine Street, Tampa, FL 33607 (US).

(74) Agent: **BRUESS, Steven, C.**; Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903 (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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

Published:

— with international search report (Art. 21(3))

(54) Title: TRANSGENIC RAINBOW SHARK

(57) Abstract: The present invention relates to transgenic ornamental fish, as well as methods of making such fish by in vitro fertilization techniques. Also disclosed are methods of establishing a population of such transgenic fish and methods of providing them to the ornamental fish industry for the purpose of marketing.



WO 2019/140103 A1