

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
09 July 2020 (09.07.2020)



(10) International Publication Number
WO 2020/142522 A2

(51) International Patent Classification:
C12Q 1/68 (2018.01)

(21) International Application Number:
PCT/US2019/069117

(22) International Filing Date:
31 December 2019 (31.12.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/787,102 31 December 2018 (31.12.2018) US

(71) Applicants: **UNITED NEUROSCIENCE**; 1 Cayman Financial Centre, 36A Dr. Roy's Drive, PO Box 2510, Grand Cayman, KY1-1104 (KY). **UNS IP HOLDINGS, LLC** [US/US]; 1717 Main Street, Suite 3388, Dallas, Texas 75201 (US).

(72) Inventor: **WANG, Chang Yi**; 47 Snake Hill Road, Cold Spring Harbor, New York 11742 (US).

(74) Agent: **FILL, Peter** et al.; Locke Lord LLP, 3 World Financial Center, New York, New York 10281 (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 declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority
- with sequence listing part of description (Rule 5.2(a))

(54) Title: PEPTIDE IMMUNOGENS TARGETING CALCITONIN GENE-RELATED PEPTIDE (CGRP) AND FORMULATIONS THEREOF FOR PREVENTION AND TREATMENT OF MIGRAINE

(57) Abstract:

