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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 September 2020 (24.09.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/188090 A1

(51) International Patent Classification:
A61K 31/4245 (2006.01) *A61P 43/00* (2006.01)
A61P 25/00 (2006.01)

(21) International Application Number:
PCT/EP2020/057803

(22) International Filing Date:
20 March 2020 (20.03.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
19382196.4 20 March 2019 (20.03.2019) EP

(71) Applicant: **ORYZON GENOMICS, S.A.** [ES/ES]; Carrera de San Jerónimo 15, 2a planta, 28014 Madrid (ES).

(72) Inventors: **BUESA ARJOL, Carlos Manuel**; Oryzon Genomics, S.A., Sant Ferran 74, 08940 Cornellà de Llobregat (ES). **BULLOCK, Roger Alan**; Oryzon Genomics, S.A., Sant Ferran 74, 08940 Cornellà de Llobregat (ES). **QUIROGA RAMOS, José Antonio**; Oryzon Genomics, S.A., Sant Ferran 74, 08940 Cornellà de Llobregat (ES).

(74) Agent: **RIDDERBUSCH, Oswin**; Vossius & Partner Patentanwälte Rechtsanwälte mbB, Siebertstrasse 3, 81675 München (DE).

(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, 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).

Published:
— *with international search report (Art. 21(3))*

(54) Title: METHODS OF TREATING BORDERLINE PERSONALITY DISORDER

(57) Abstract: Provided herein are methods for treating borderline personality disorder using KDM1A inhibitors, particularly vafidemstat.

WO 2020/188090 A1