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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 November 2020 (26.11.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/234432 A1

(51) International Patent Classification:
A61K 39/395 (2006.01) *A61P 25/02* (2006.01)

(21) International Application Number:
PCT/EP2020/064234

(22) International Filing Date:
21 May 2020 (21.05.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1907153.9 21 May 2019 (21.05.2019) GB

(71) Applicant: **ARGENX BVBA** [BE/BE]; Industriepark Zwijnaarde 7, 9052 Gent (BE).

(72) Inventors: **BLANCHETOT, Christophe**; Industriepark Zwijnaarde 7, 9052 Gent (BE). **BUDDING, Kevin**; Secretaris Versteeglaan 12, 3451XJ Vleuten (NL). **HACK, Erik**; Paulus Emtinckweg 40, 1111BV Diemen (NL). **SILENCE, Karen**; Industriepark Zwijnaarde 7, 9052 Gent (BE). **VAN DE WALLE, Inge**; Industriepark Zwijnaarde 7, 9052 Gent (BE). **VAN DER POL, Ludo**; Heinsiuslaan 16, 3818JH Amersfoort (NL). **BOROSS, Peter**; Berkelstraat 64, 3522ER Utrecht (NL).

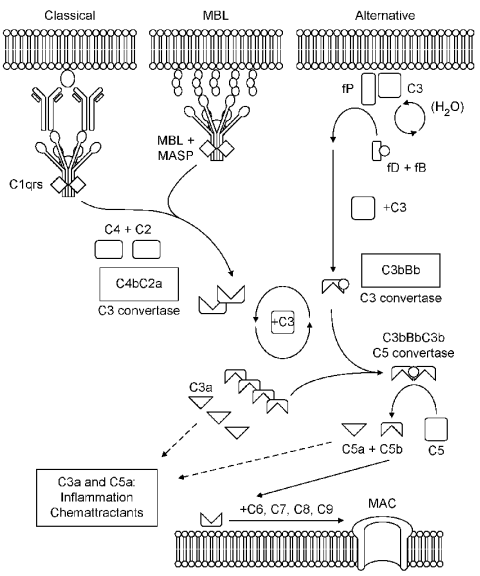
(74) Agent: **BOULT WADE TENNANT LLP**; Salisbury Square House, 8 Salisbury Square, London Greater London EC4Y 8AP (GB).

(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).

(54) Title: ANTAGONISTS OF THE COMPLEMENT SYSTEM FOR USE IN METHODS OF TREATING PARAPROTEINEMIC NEUROPATHIES

Fig. 1



(57) Abstract: The present invention relates to a method of treating a paraproteinemic neuropathy in a subject by administering to the subject an antagonist of the complement system. The antagonist inhibits the complement system upstream of complement factor C5. More specifically, the antagonist may be an antibody or an antigen-binding fragment thereof that blocks or inhibits the complement system by inhibiting the C2b domain of complement factor C2. The paraproteinemic neuropathies that may be treated include, in particular, multifocal motor neuropathy (MMN), chronic inflammatory demyelinating polyneuropathy (CIDP), and Guillain-Barré syndrome (GBS).

WO 2020/234432 A1

[Continued on next page]

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))*
— *with sequence listing part of description (Rule 5.2(a))*