



(51) International Patent Classification:

A61K 39/00 (2006.01) A61P 37/02 (2006.01)
A61K 39/395 (2006.01) C07K 16/46 (2006.01)

(21) International Application Number:

PCT/US2021/017665

(22) International Filing Date:

11 February 2021 (11.02.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/975,663 12 February 2020 (12.02.2020) US

(71) Applicant: **CELGENE CORPORATION** [US/US]; 86 Morris Avenue, Summit, NJ 07901 (US).

(72) Inventors: **MENSAH, Kofi**; 130 Gaston Street, Medford, MA 02155 (US). **PLENGE, Robert**; 37 Old Farm Road, Wellesley, MA 02481 (US). **ROY, Sophie**; 179 Newton Street, Weston, MA 02493 (US). **ZALLER, Dennis**; 54 Norwich Road, Needham, MA 02492 (US). **DOVEY, Jennifer**; 211 Grove Street, Auburndale, MA 02466 (US). **SAENZ, Steven**; 182 London Street, Apt. 3 Boston, MA 02128, Boston, MA 02128 (US).

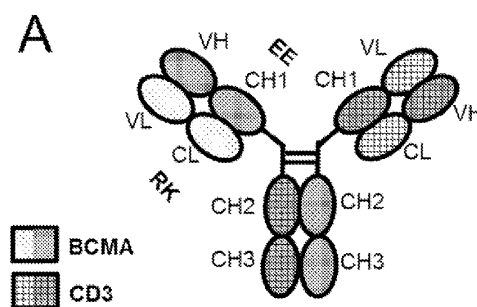
Ma 02128, Boston, MA 02128 (US). **HENAULT, Jill**; 11 Franklin Place, Acton, MA 01720 (US). **DOYKAN, Camille**; 8 Patley Road North, Reading, MA 01864 (US). **CALVINO, Jenna**; 1742 Beacon Street, Apt. 2, Brookline, MA 02445 (US). **JIN, Xi**; 1600 Beacon Street, Apt. 305, Brookline, MA 02446 (US). **PAQUETTE, Joseph**; 38 Perry Avenue, Seekonk, MA 02771 (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, IT, 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,

(54) Title: ANTI-BCMA THERAPY IN AUTOIMMUNE DISORDERS

Fig. 1



(57) Abstract: The present invention relates to the treatment or management of autoimmune disorders, such as autoimmune disorders caused by autoreactive B lineage cells, e.g. anti-neutrophil cytoplasmic antibody (ANCA)-associated vasculitis (AAV).

[Continued on next page]

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