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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 June 2018 (28.06.2018)

WIPO | PCT

(10) International Publication Number
WO 2018/119215 A9

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61P 35/00* (2006.01)

(21) International Application Number:
PCT/US2017/067870

(22) International Filing Date:
21 December 2017 (21.12.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/437,588 21 December 2016 (21.12.2016) US

(71) Applicant: **TENEOBIO, INC.** [US/US]; 1490 O'Brien Drive, Suite D, Menlo Park, California 94025 (US).

(72) Inventors: **ALDRED, Shelley Force**. **TRINKLEIN, Nathan**. **HARRIS, Katherine E.**. **DANG, Kevin**. **VAN SCHOOTEN, Wim**.

(74) Agent: **PELLETIER, Benjamin C.** et al.; Venable LLP, P.O. Box 34385, Washington, D.C. 20043-9998 (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).

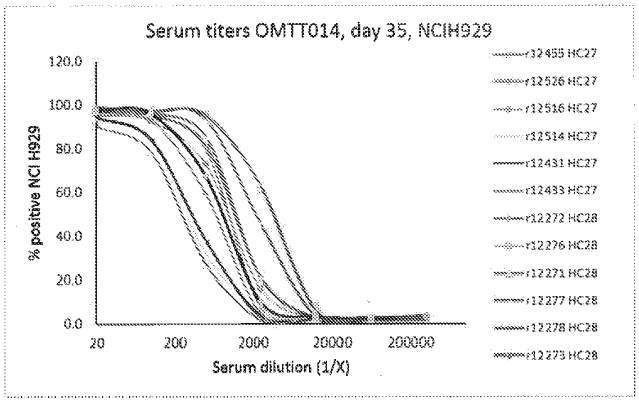
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

(54) Title: ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES

FIG. 5



(57) Abstract: Anti-BCMA heavy chain-only antibodies (HCAb) and disclosed, along with methods of making such antibodies, compositions, including pharmaceutical compositions, comprising such antibodies, and their use to treat B-cell disorders characterized by the expression of BCMA.

[Continued on next page]

WO 2018/119215 A9

Published:

— *with international search report (Art. 21(3))*
— *with information concerning authorization of rectification of an obvious mistake under Rule 91.3 (b) (Rule 48.2(i))*

(48) Date of publication of this corrected version:
22 November 2018 (22.11.2018)

(15) Information about Correction:
see Notice of 22 November 2018 (22.11.2018)