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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 July 2024 (11.07.2024)

WIPO | PCT

(10) International Publication Number
WO 2024/148328 A2

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61P 35/00* (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2024/010583

(22) International Filing Date:
05 January 2024 (05.01.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/478,799 06 January 2023 (06.01.2023) US

(71) Applicant: **APTEVO RESEARCH AND DEVELOPMENT LLC** [US/US]; 2401 4th Avenue, Suite 1050, Seattle, Washington 98121 (US).

(72) Inventors: **PAVLIK, Peter**; 24480 Jefferson Place NE, Kingston, Washington 98346 (US). **NELSON, Michelle H.**; 24512 128th Place SE, Kent, Washington 98032 (US). **BAILEY, Matthew J.**; 1919G 25th Avenue G, Seattle, Washington 98144 (US). **MISHER, Lynda**; 8345 Cadwalader Avenue, Elkins Park, Pennsylvania 19027 (US). **HAGLIN, Elizabeth R.**; 10044 SE 7th Street, Bellevue, Washington 98004 (US). **FRANKE-WELCH, Secil**; 4111 SW Rose Street, Seattle, Washington 98136 (US). **RAMOS, Hilario**; 11304 Pickfair Drive, Austin, Texas 78750 (US). **BIENVENUE, David**; 19010 33rd Avenue NE, Lake Forest Park, Washington 98155 (US).

(74) Agent: **SU, Xiaomin** et al.; Cooley LLP, 1299 Pennsylvania Avenue NW, Suite 700, Washington, District of Columbia 20004 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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.

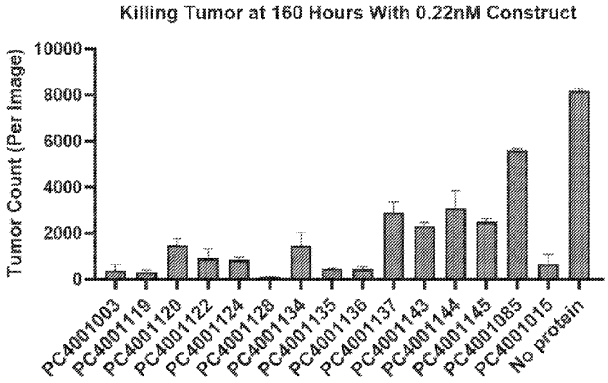
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, 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))*

Published:
— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*
— *with sequence listing part of description (Rule 5.2(a))*

(54) Title: BISPECIFIC PD-L1 AND CD40 BINDING MOLECULES AND USES THEREOF

FIG. 24B



(57) Abstract: Provided herein are bispecific antigen-binding molecules that bind to PD-L1 and/or CD40. Further provided herein are therapeutic uses of and methods of producing such molecules and related pharmaceutical compositions, nucleic acid molecules, expression vectors and host cells.

WO 2024/148328 A2