

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 March 2022 (17.03.2022)



(10) International Publication Number
WO 2022/053652 A1

(51) International Patent Classification:

C07K 16/28 (2006.01) A61K 39/395 (2006.01)
A61K 31/00 (2006.01) A61P 35/00 (2006.01)

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).

(21) International Application Number:

PCT/EP2021/075012

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))

(22) International Filing Date:

10 September 2021 (10.09.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/077,233 11 September 2020 (11.09.2020) US

(71) Applicant: ENGMAB SÀRL [CH/CH]; Route de Perreux,
1, 2017 Boudry (CH).

(72) Inventors: PIERCEALL, William; 10 Grove Street,
Madison, New Jersey 07940 (US). HAGNER, Patrick;
28 Valley View Trail, Sparta, New Jersey 07871 (US).
CHIU, Hsiling; 287 E. Northfield Road, Livingston, New
Jersey 07039 (US). ZIYAD, Safiyyah N.; 1701 Dexter Ave
N, Seattle, Washington 98109 (US). THAKURTA, An-
jan Guha; 30 Benedict Cres., Basking Ridge, New Jersey
07920 (US). ORR, Mark; 1701 Dexter Ave N, Seattle,
Washington 98109 (US).

(74) Agent: JONES DAY; Prinzregentenstraße 11, 80538
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, 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,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

(54) Title: COMBINATION THERAPY FOR CANCER

(57) Abstract: The present application relates to methods of treating, managing and/or preventing cancer, comprising administering (a) a protein that comprises (i) an antigen-binding site that binds an antigen on a natural killer (NK) cell, and (ii) an antigen-binding site that binds an antigen on a cell of said cancer; and (b) iberdomide (CC-220), avadomide (CC-122), lenalidomide, pomalidomide, or CC-92480. The present application also relates to methods of treating, managing and/or preventing cancer, comprising administering (a) a protein that comprises (i) an antigen-binding site that binds NKG2D, and (ii) an antigen-binding site that binds an antigen on a cell of said cancer, and (ii) an antigen-binding site that binds an antigen on a cell of said cancer; and (b) iberdomide (CC-220), avadomide (CC-122), lenalidomide, pomalidomide, or CC-92480.



WO 2022/053652 A1