

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 July 2023 (13.07.2023)



(10) International Publication Number
WO 2023/133388 A2

- (51) **International Patent Classification:**
A61K 47/68 (2017.01) *C07K 16/30* (2006.01)
- (21) **International Application Number:**
PCT/US2023/060062
- (22) **International Filing Date:**
04 January 2023 (04.01.2023)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/296,831 05 January 2022 (05.01.2022) US
63/304,136 28 January 2022 (28.01.2022) US
- (71) **Applicants:** **AGENSYS, INC.** [US/US]; 1 Astellas Way,
Northbrook, IL 60062 (US). **SEAGEN INC.** [US/US];
21823 30th Drive S.E., Bothell, WA 98021 (US).
- (72) **Inventors:** **CARRET, Ann-Sophie**; 21823 30th Drive
S.E., Bothell, WA 98021 (US). **ABIDOYE, Oyewale, O.**;
21823 30th Drive S.E., Bothell, WA 98021 (US).
- (74) **Agent:** **LIANG, Bing** et al.; Jones Day, 250 Vesey Street,
New York, NY 10281-1047 (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,

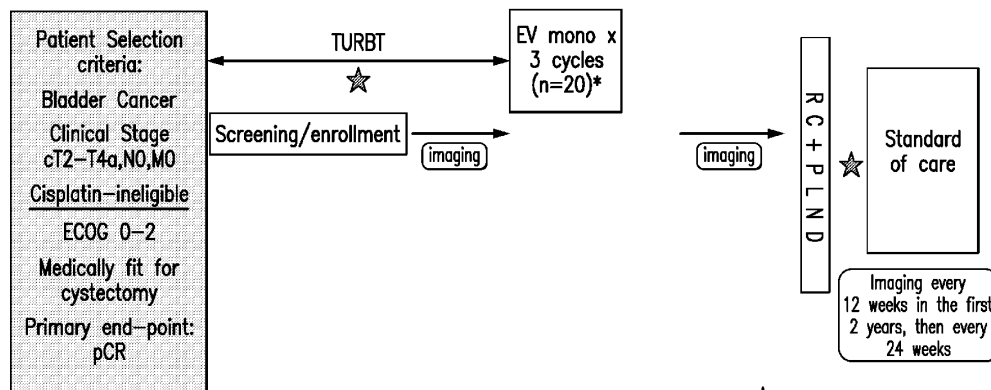
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG,
NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS,
RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, 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, 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).

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:** METHODS FOR TREATING MUSCLE INVASIVE UROTHELIAL CANCER OR MUSCLE INVASIVE BLADDER
CANCER WITH ANTIBODY DRUG CONJUGATES (ADC) THAT BIND TO 191P4D12 PROTEINS



*Sample sizes are approximate.

★ Biomarker collection
(TURBT and Radical Cystectomy
are part of standard of care)

FIG. 2

(57) **Abstract:** Provided herein are methods for treating urothelial or bladder cancers with antibody drug conjugates (ADC) that bind to 191P4D12 protein (Nectin-4).

WO 2023/133388 A2