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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 January 2026 (29.01.2026)

WIPO | PCT

(10) International Publication Number
WO 2026/024987 A1

(51) International Patent Classification:
C07K 16/28 (2006.01) *C07K 16/40* (2006.01)
A61K 39/00 (2006.01)

(21) International Application Number:
PCT/US2025/039147

(22) International Filing Date:
24 July 2025 (24.07.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/676,069 26 July 2024 (26.07.2024) US

(71) Applicant: **TELIX TARGETING TECHNOLOGIES, INC.** [US/US]; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US).

(72) Inventors: **MASCIONI, Alessandro**; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US). **JIA, Fang**; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US). **DE SOUZA CORDEIRO, Leticia, Maria**; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US). **DIAZ, Kelley, C.**; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US). **AIVAZIAN, Argin**; 11700 Exit 5 Parkway, Suite 200, Fishers, Indiana 46037 (US).

(74) Agent: **ACHTSAM, Jessica, L.**; 2040 Main Street, 14th Floor, Irvine, California 92614 (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, UY, 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:
— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
— *with sequence listing part of description (Rule 5.2(a))*

(54) Title: ANTIBODIES AND METHODS OF MAKING AND USING SAME

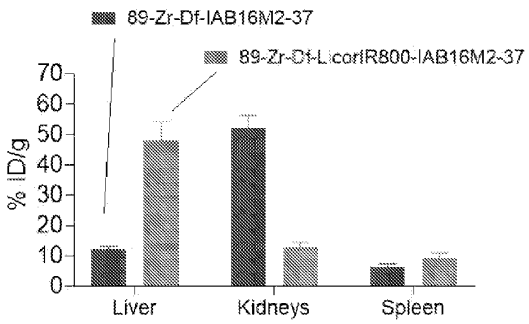

FIG. 5

(57) Abstract: Antibodies having enhanced biodistribution and/or pharmacokinetics obtained through conjugation of a negatively charged organic moiety are provided. Also provided are methods of enhancing the biodistribution and/or pharmacokinetics of an antibody. The enhanced antibodies find use in immunotherapy, radiotherapy, and in vivo imaging.

WO 2026/024987 A1