

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2019/149282 A1

(43) International Publication Date
08 August 2019 (08.08.2019)

(51) International Patent Classification:
C07K 14/00 (2006.01) A61P 35/00 (2006.01)
A61K 39/395 (2006.01)

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(21) International Application Number:
PCT/CN2019/074581

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

(22) International Filing Date:
02 February 2019 (02.02.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/CN2018/075065
02 February 2018 (02.02.2018) CN

(71) Applicant: ADAGENE INC. [GB/GB]; Harbour Place,
103 South Church Street, P.O. Box 2582, Grand Cayman,
KY1-1103 (KY).

(72) Inventor; and

(71) Applicant (for MN only): LUO, Peter Peizhi [US/CN];
4F, Building C14, 218 Xinghu St., Suzhou Industrial Park,
Suzhou, Jiangsu 215123 (CN).

(72) Inventor: DU, Fangyong; C/o ADAGENE INC., 4F,
Building C14, 218 Xinghu St., Suzhou Industrial Park,
Suzhou, Jiangsu 215123 (CN).

(74) Agent: WU, FENG & ZHANG; 3 FL, Building 2, Yard 3,
FengXiuZhongLu Road, Haidian District, Beijing 100094
(CN).

(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,

(54) Title: ACTIVATABLE ANTIBODIES AND METHODS OF MAKING AND USING THEREOF

(57) Abstract: Provided herein are libraries containing synthetic polynucleotides that encode activatable binding polypeptides. Further provided herein are activatable binding polypeptides and polypeptide libraries containing such activatable binding polypeptides. Also provided herein are vectors, vector libraries, cells, kits, and methods of making and using activatable polypeptide libraries.

WO 2019/149282 A1