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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 March 2014 (06.03.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/036076 A1

(51) **International Patent Classification**:
A61K 39/395 (2006.01) ***A61P 5/00*** (2006.01)
C07K 16/28 (2006.01)

(21) **International Application Number**:
PCT/US2013/056976

(22) **International Filing Date**:
28 August 2013 (28.08.2013)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/695,949 31 August 2012 (31.08.2012) US
13/842,906 15 March 2013 (15.03.2013) US

(71) **Applicant**: **BAYER HEALTHCARE LLC** [US/US]; 100 Bayer Boulevard, Whippany, New Jersey 07981-0915 (US).

(72) **Inventors**: **MA, Xinghang**; 2511 Valentano Drive, Dublin, CA 94568 (US). **XIANG, Jun**; 1382 Contra Costa Boulevard #65, Pleasant Hill, CA 94523 (US). **NIU, Jianjie**; 21949 Pheasant Woods Drive, Castro Valley, CA 94552 (US).

(74) **Agent**: **KOWALCHYK, Katherine M.**; Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903 (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, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2014/036076 A1

(54) **Title**: ANTI-PROLACTIN RECEPTOR ANTIBODY FORMULATIONS

(57) **Abstract**: Provided are a wide concentration range, especially high concentration, substantially salt-free anti-prolactin receptor antibody formulations that are substantially isosmotic and of low viscosity.