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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 August 2011 (18.08.2011)

PCT

(10) International Publication Number
WO 2011/098762 A3

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61P 35/00* (2006.01)
A61K 39/395 (2006.01) *A61P 31/12* (2006.01)
C12N 15/13 (2006.01) *A61P 29/00* (2006.01)
G01N 33/53 (2006.01) *A61P 37/00* (2006.01)

(21) International Application Number:
PCT/GB2011/000175

(22) International Filing Date:
10 February 2011 (10.02.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/303,060 10 February 2010 (10.02.2010) US
1002238.2 10 February 2010 (10.02.2010) GB

(71) Applicant *(for all designated States except US)*: **AFFITECH RESEARCH AS** [NO/NO]; Oslo Research Park, Gaustadalleen 21, N-0349 Oslo (NO).

(71) Applicant *(for BB only)*: **OWEN, Deborah, Jane** [GB/GB]; Dehns, St Bride's House, 10 Salisbury Square, London, EC4Y 8JD (GB).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **KAVLIE, Anita** [NO/NO]; Strømsborgveien 39H, N-0287 Oslo (NO). **KIPRIJANOV, Sergej, Michailovič** [DE/NO]; Hovseterveien 98, N-0768 Oslo (NO).

(74) Agent: **DEHNS**; St Bride's House, 10 Salisbury Square, London EC4Y 8JD (GB).

(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, 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, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

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))*

(88) Date of publication of the international search report:
19 January 2012

(15) Information about Correction:
Previous Correction:
see Notice of 20 October 2011

(54) Title: ANTIBODIES AGAINST CXCR4

(57) Abstract: The present invention provides antibodies which bind to CXC chemokine receptor (4) (CXCR4) and which do not induce significant apoptosis of CXCR4 expressing cells. Also provided are *inter alia* immunoconjugates and compositions comprising such antibodies and methods and uses involving such antibodies, particularly in the medical and diagnostic fields.

WO 2011/098762 A3