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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 November 2008 (20.11.2008)

PCT

(10) International Publication Number
WO 2008/139207 A3

(51) International Patent Classification:
A61K 47/48 (2006.01) *A61K 49/00* (2006.01)

(21) International Application Number:
PCT/GB2008/001696

(22) International Filing Date: 16 May 2008 (16.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0709441.0 16 May 2007 (16.05.2007) GB
0715682.1 13 August 2007 (13.08.2007) GB

(71) Applicant *(for all designated States except US)*: **GE HEALTHCARE AS** [NO/NO]; Nycoveien 2, Postboks 4220, Nydalen, N-0401 Oslo (NO).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JOHANNESEN, Edvin, Wilhelm** [NO/NO]; GE Healthcare AS, Nycoveien 2, Postboks 4220, Nydalen, N-0401 Oslo (NO). **CUTHBERTSON, Alan** [GB/NO]; GE Healthcare AS, Nycoveien 2, Postboks 4220, Nydalen, N-0401 Oslo (NO).

(74) Agent: **CANNING, Lewis, Reuben**; GE Healthcare Limited, Amersham Place, Little Chalfont Buckinghamshire HP7 9NA (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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
26 February 2009

WO 2008/139207 A3

(54) Title: LABELLED HGF BINDING PEPTIDES FOR IMAGING

(57) Abstract: The present invention relates to labelled cMet binding peptides suitable for optical imaging *in vivo*. The peptides are labelled with an optical reporter group suitable for imaging in the red to near-infrared region. Also disclosed are pharmaceutical compositions and kits, as well as *in vivo* imaging methods, especially of use in the detection, staging, diagnosis, monitoring of disease progression or monitoring of treatment of colorectal cancer (CRC).