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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 December 2008 (04.12.2008)

PCT

(10) International Publication Number
WO 2008/146023 A1

(51) International Patent Classification:
C07K 14/52 (2006.01) *A61K 38/19* (2006.01)

(21) International Application Number:
PCT/GB2008/001873

(22) International Filing Date: 2 June 2008 (02.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0710457.3 31 May 2007 (31.05.2007) GB

(71) Applicant *(for all designated States except US)*: **ARK THERAPEUTICS LTD.** [GB/GB]; 79 New Cavendish Street, London W1W 6XB (GB).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **TOIVANEN, Pyry** [FI/FI]; Ark Therapeutics Oy, Microkatu 1S, FIN-70210 Kuopio (FI). **AIRENNE, Kari, Juchani** [FI/FI]; AIV Institute, University of Kuopio, P.O. Box 1627, FIN-70211 Kuopio (FI). **YLÄ-HERTTUALA, Seppo** [FI/FI]; AIV Institute, University of Kuopio, P.O. Box 1627, FIN-70211 Kuopio (FI).

(74) Agent: **GILL JENNINGS & EVERY LLP**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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*
— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*

(54) Title: VEGF-D MUTANTS AND THEIR USE

(57) Abstract: The present invention is a VEGF-D protein, containing one or more amino acid mutations at the dimer interface, and their use in therapy, particularly in the promotion of angiogenesis.

WO 2008/146023 A1