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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/099148 A1

(51) International Patent Classification:
C12N 15/79 (2006.01)

(21) International Application Number:
PCT/GB2008/000464

(22) International Filing Date:
11 February 2008 (11.02.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0702695.8 12 February 2007 (12.02.2007) 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)*: **LESCH, Hanna, P.** [FI/FI]; Ark Therapeutics Oy, Microkatu 1/S, FIN-70210 Kuopio (FI). **AIRENNE, Kari, J.** [FI/FI]; University of Kuopio, P.O. Box 1627, FIN-70211 Kuopio (FI). **Ylä-HERTTUALA, Seppo** [FI/FI]; 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).

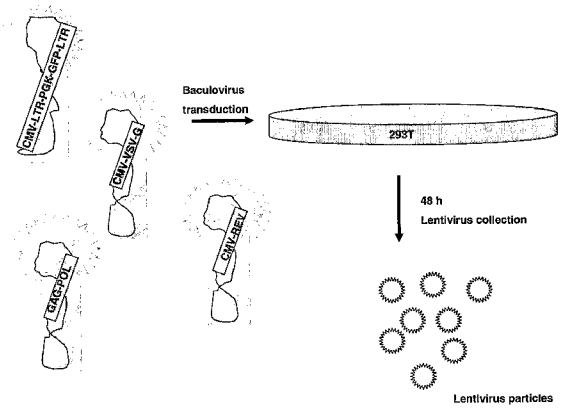
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, 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*
— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*

(54) **Title:** PRODUCTION OF LENTIVIRAL VECTORS

Figure 2



(57) **Abstract:** The present invention is a method of generating a lentivirus vector, comprising cloning each of a lentivirus transfer construct, *gag*, *pol*, an envelope protein and *rev* respectively into the same or different baculoviruses, and transducing a producer cell with the or each baculovirus.

WO 2008/099148 A1