



(51) International Patent Classification:

C12N 15/85 (2006.01) C07K 16/46 (2006.01)
A01K 67/027 (2006.01)

(21) International Application Number:

PCT/GB2012/052296

(22) International Filing Date:

18 September 2012 (18.09.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1116122.1	19 September 2011 (19.09.2011)	GB
1116120.5	19 September 2011 (19.09.2011)	GB
1203257.9	24 February 2012 (24.02.2012)	GB
1204592.8	15 March 2012 (15.03.2012)	GB
1205702.2	29 March 2012 (29.03.2012)	GB
1208749.0	18 May 2012 (18.05.2012)	GB
1211692.7	2 July 2012 (02.07.2012)	GB

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(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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,

[Continued on next page]

(54) Title: ANTIBODIES, VARIABLE DOMAINS & CHAINS TAILORED FOR HUMAN USE

Recombineered BAC Vectors to add Polymorphic V-regions to the Mouse Genome

1. Cassette Exchange – Replace existing V-regions

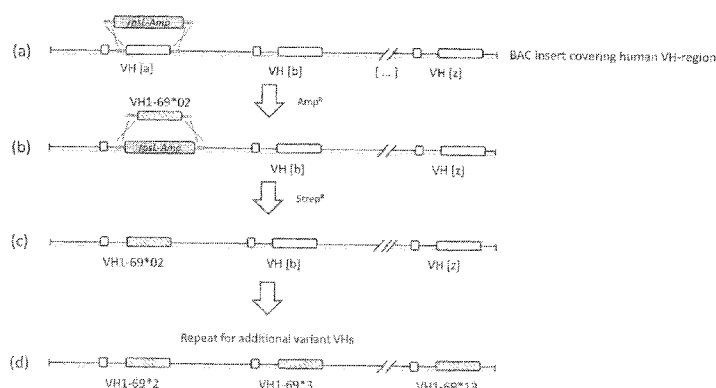


Figure 1

(57) Abstract: The invention relates to the provision of antibody therapeutics and prophylactics that are tailored specifically for human use. The present invention provides libraries, vertebrates and cells, such as transgenic mice or rats or transgenic mouse or rat cells. Furthermore, the invention relates to methods of using the vertebrates to isolate antibodies or nucleotide sequences encoding antibodies. Antibodies, heavy chains, polypeptides, nucleotide sequences, pharmaceutical compositions and uses are also provided by the invention.



RW, 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, 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))
- with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:

11 July 2013