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(54) Title: ANTIBODY LIBRARIES

(57) Abstract: The present invention relates to the production of antibody libraries. In particular, the present invention relates to the use of integrating retroviral vectors to generate libraries comprising a plurality of combinations of antibody light chains and heavy chains. The present invention thus provides improved methods of generating and screening antibody libraries comprising large numbers of unique antibodies.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : C12Q 1/70, 1/68; C12P 21/06; C12N 15/00; C07K 16/00; C07H 21/04
 US CL : 435/5, 6, 235.1, 320.1, 69.1, DiG. 1, DIG. 22, DIG. 23; 536/23.4, 23.72; 530/388.1, 387.1
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 435/5, 6, 235.1, 320.1, 69.1, DiG. 1, DIG. 22, DIG. 23; 536/23.4, 23.72; 530/388.1, 387.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 WEST, DERWENT, MEDLINE, CAPLUS, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,297,004 B1 (RUSSELL et al) 02 October 2001, see entire document.	1-84
X	US 5,723,287 (RUSSELL et al) 03 March 1998, see the entire document.	1-84
X	US 6,303,116 B1 (DORNBURG et al) 16 October 2001, see the entire document.	1-84

Further documents are listed in the continuation of Box C. See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
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