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(21) International Application Number: PCT/US96/05114 (22) International Filing Date: 12 April 1996 (12.04.96) (30) Priority Data: 08/426,791 21 April 1995 (21.04.95) US (71) Applicant: ABBOTT LABORATORIES [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US). (72) Inventors: OKASINSKI, Gregory, F.; 38850 Northwoods Drive, Wadsworth, IL 60031 (US). FRY, Dennis, G.; 4014 Grandview Avenue, Gurnee, IL 60031 (US). (74) Agents: BECKER, Cheryl, L. et al.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).	(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i> (88) Date of publication of the international search report: 13 March 1997 (13.03.97)	
(54) Title: REPERTOIRE CLONING PROCESS, PRODUCTS DERIVED THEREFROM AND USES FOR SAID PRODUCTS		
(57) Abstract		
<p>A repertoire cloning process for producing mammalian monoclonal antibodies. Also provided are methods for using these monoclonal antibodies, and kits which contain these monoclonal antibodies.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 96/05114

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12N15/63 C07K16/00 C12N5/10 G01N33/577 C12N15/86

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)
IPC 6 C12N C07K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NATURE, vol. 355, no. 6357, 16 January 1992, LONDON, GB, pages 258-262, XP002024052 M. DUCHOSAL ET AL.: "Immunization of hu-PBL-SCID mice and the rescue of human monoclonal Fab fragments through combinatorial libraries." cited in the application see the whole document ---	1-4,17
X	TRENDS IN BIOTECHNOLOGY, vol. 9, no. 5, May 1991, CAMBRIDGE, GB, pages 169-175, XP000207982 D. BURTON: "Human and mouse monoclonal antibodies by repertoire cloning." cited in the application see the whole document ---	1-4,17
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+ 31-70) 340-3016

Authorized officer

Nooij, F

INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>IMMUNOBIOLOGY, vol. 183, no. 3-4, October 1991, STUTTGART, GERMANY, pages 292-293, XP000616502 P. FISCHER ET AL.: "Human monoclonal antibodies derived by repertoire cloning from immunized hu-PBL-SCID mice." see abstract 0.4</p> <p style="text-align: center;">---</p>	1-4,17
Y	<p>HYBRIDOMA, vol. 8, no. 2, April 1989, NEW YORK, NY, USA, pages 187-197, XP000616479 M. POSNER ET AL.: "The generation of hybridomas secreting human monoclonal antibodies reactive with type II collagen." see page 189, line 17 - line 31 see page 195, line 12 - line 32 see abstract</p> <p style="text-align: center;">---</p>	5,6,9, 14,16
Y	<p>WO 91 01990 A (CITY OF HOPE) 21 February 1991 see the whole document</p> <p style="text-align: center;">---</p>	5,6,9, 14,16
A	<p>VACCINE, vol. 7, no. 2, April 1989, USA, pages 179-180, XP002024053 I. MACLEAN ET AL.: "Production of recombinant Chlamydia trachomatis serovar D major outer membrane protein." see the whole document</p> <p style="text-align: center;">---</p>	1-17
A	<p>IMMUNOLOGY LETTERS, vol. 35, no. 2, February 1993, AMSTERDAM, NL, pages 93-100, XP000616470 W. NIEDBALA ET AL.: "In vitro sensitization for human monoclonal antibody production." see abstract</p> <p style="text-align: center;">---</p>	5,6
A	<p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 81, no. 5, March 1984, WASHINGTON, DC, USA, pages 1794-1798, XP002024054 N. MCCARTHY-FRANCIS ET AL.: "Kappa-chain allotypes and isotypes in the rabbit: cDNA sequences of clones encoding b9 suggest an evolutionary pathway and possible role of the interdomain disulfide bond in quantitative allotype expression." see figures 2,3</p> <p style="text-align: center;">-----</p>	1-17

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No. _____

PCT/US 96/05114

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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