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(21) International Application Number: PCT/GB96/01889 (22) International Filing Date: 1 August 1996 (01.08.96) (30) Priority Data: 9515850.7 2 August 1995 (02.08.95) GB (71) Applicant (for all designated States except US): THE MINISTER OF AGRICULTURE FISHERIES & FOOD IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND [GB/GB]; Whitehall Place, London SW1A 2HH (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): MORGAN, Michael, Robert, Anthony [GB/GB]; Institute of Food Research, Nor- wich Laboratory, Norwich Research Park, Colney, Nor- wich, Norfolk NR4 7UA (GB). WARD, Colin, Malcolm [GB/GB]; Institute of Food Research, Norwich Laboratory, Norwich Research Park, Colney, Norwich, Norfolk NR4 7UA (GB). WILKINSON, Andrew, Philip [GB/GB]; Insti- tute of Food Research, Norwich Laboratory, Norwich Re- search Park, Colney, Norwich, Norfolk NR4 7UA (GB). LEE, Heather, Avril [GB/GB]; Institute of Food Research,		Norwich Laboratory, Norwich Research Park, Colney, Nor- wich, Norfolk NR4 7UA (GB). (74) Agent: SKELTON, Stephen, Richard; D/IPR, Formalities Section, Poplar 2, MOD Abbey Wood #19, P.O. Box 702, Bristol BS12 7DU (GB). (81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). 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: BROAD SPECIFICITY ANTIBODIES (57) Abstract A method for producing broad specificity, generic, antibodies having a specific binding affinity for two or more of a class of compounds demonstrating a common mode of biological activity (e.g. organophosphate pesticides) comprising selecting a receptor or enzyme through which the class of compounds exert the biological activity, raising intermediate monoclonal antibodies against the recognition site of the receptor or enzyme, inoculating an animal with these iMABs or fragments thereof and recovering the generic antibodies from a body fluid or tissues of the animal. Also disclosed are generic polysera, generic antibodies, and cell lines for producing them, and also methods and kits for screening a sample for the presence or absence of compounds demonstrating a common mode of activity using generic antibodies.		

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INTERNATIONAL SEARCH REPORT

International Application No

PLI/GB 96/01889

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C07K16/38 C12P21/08 C12N5/20 G01N33/577

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 C07K C12P C12N 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.
Y	WO 94 27149 A (THE MINISTER OF AGRICULTURE, FISHERIES AND FOOD ETC.) 24 November 1994 cited in the application see the whole document ---	1-18
Y	WO 88 00472 A (APHTON CORPORATION) 28 January 1988 see the whole document ---	1-18
A	WO 93 17030 A (THE HORTICULTURE AND FOOD RESEARCH INSTITUTE OF NEW ZEALAND LTD.) 2 September 1993 see the whole document --- -/--	1-18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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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

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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.
A	FEBS LETTERS, vol. 180, no. 2, January 1985, AMSTERDAM, NL, pages 243-248, XP002023908 E. HELDMAN ET AL.: "A novel immunoassay with direct relevance to protection against organophosphate poisoning." see the whole document ---	1-18
A	ACS SYMPOSIUM SERIES, vol. 451, 1991, WASHINGTON, DC, USA, pages 124-138, XP002023909 J. SKERRITT ET AL.: "Testing cereal products and samples by immunoassay. Tests for organophosphate, carbamate, and pyrethroid grain protectants." see the whole document ---	1-18
A	FOOD AND AGRICULTURAL IMMUNOLOGY, vol. 5, no. 1, 1993, ABINGDON, GB, pages 13-25, XP000614951 C. SPINKS ET AL.: "Production and characterization of monoclonal anti-idiotypic mimics for the pyrethroid insecticides and the herbicide paraquat." see the whole document ---	1-18
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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