

Title (en)

TISSUE SPECIFIC IMAGING AGENTS USING INTERNAL IMAGE ANTI-IDIOTYPIC ANTIBODIES

Title (de)

GEWEBESPEZIFISCHE BILDGEBENDE MITTEL UNTER VERWENDUNG VON ANTIIDIOTYPISCHEN ANTIKÖRPERN FÜR INNERLICHE AUFNAHMEN

Title (fr)

AGENTS D'IMAGERIE SPECIFIQUES AUX TISSUS COMPRENANT DES ANTICORPS ANTI-IDIOTYPIQUES PERMETTANT DE PRODUIRE DES IMAGES INTERNES

Publication

EP 0592549 A4 20001025 (EN)

Application

EP 92914741 A 19920629

Priority

- US 9205500 W 19920629
- US 72422891 A 19910701

Abstract (en)

[origin: WO9300934A1] A diagnostic composition suitable for administration to a warm-blooded animal comprising a whole, fragmented, or recombinant anti-idiotypic antibody labeled with a chelate capable of intravenous injection into an animal to produce reliable visual imaging of biological receptors.

IPC 1-7

A61K 49/02; A61K 37/04; C07K 13/00; C07K 15/28; A61K 49/00

IPC 8 full level

A61K 51/00 (2006.01); **A61K 51/10** (2006.01); **C07K 16/42** (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP)

A61K 51/1078 (2013.01); **C07K 16/4208** (2013.01); **A61K 2123/00** (2013.01)

Citation (search report)

- [Y] GB 2189810 A 19871104 - ANTIBODY TECHNOLOGY LTD
- [Y] EP 0247866 A1 19871202 - MALLINCKRODT INC [US]
- [Y] EP 0248506 A1 19871209 - MALLINCKRODT INC [US] & US 4732974 A 19880322 - NICOLOTTI ROBERT A [US], et al
- [Y] EP 0434257 A2 19910626 - IMMUNOMEDICS INC [US]
- [Y] US 4859450 A 19890822 - GOLDMAN MARK [US]
- [Y] EP 0208531 A2 19870114 - GOLDENBERG MILTON DAVID
- [Y] EP 0270340 A2 19880608 - CANCER BIOLOG INC [US]
- [X] VENTER J C ET AL: "MONOClonal AND ANTI-IDIOTYPIC ANTIBODIES AS PROBES FOR RECEPTOR STRUCTURE AND FUNCTION", FEDERATION PROCEEDINGS,US,BETHESDA, MD, vol. 43, no. 10, July 1984 (1984-07-01), pages 2532-2539, XP000670907
- [Y] FUJIBAYASHI Y ET AL: "High myocardial accumulation of radioiodinated digoxin derivative: a possible sodium, potassium-ATPase imaging agent", J. NUCL. MED., 1992, VOL. 33, NO. 4, PAGE(S) 545-9, XP002127223
- [YP] R KOHN ET AL: "ENDOGENOUS DIGITALIS-LIKE FACTOR IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION", COR ET VASA,CZ,CZECH MEDICAL SOCIETY, PRAGUE, vol. 34, no. 3, 1992, pages 227-237, XP002081545, ISSN: 0010-8650
- [X] WILLIAMS W V ET AL: "ANTIBODY GEOMETRY AND FORM: THREE-DIMENSIONAL RELATIONSHIPS BETWEEN ANTI-IDIOTYPIC ANTIBODIES AND EXTERNAL ANTIGENS", TRENDS IN BIOTECHNOLOGY,GB,ELSEVIER PUBLICATIONS, CAMBRIDGE, vol. 8, no. 9, September 1990 (1990-09-01), pages 256 - 263, XP000142295, ISSN: 0167-7799
- [A] D.W. SECCOMBE ET AL.: "A study into the nature and organ source of digoxin-like immunoreactive substance(s) in the perinatal period.", BIOLOGY OF THE NEONATE., vol. 56, no. 3, 1989, KARGER, BASEL., CH, pages 136 - 146, XP000866111, ISSN: 0006-3126
- [Y] DEAN SHERRY A ET AL: "STABILITY CONSTANTS FOR GD3+ BINDING TO MODEL DTPA-CONJUGATES AND DTPA-PROTEINS: IMPLICATIONS FOR THEIR USE AS MAGNETIC RESONANCE CONTRAST AGENTS", MAGNETIC RESONANCE IN MEDICINE,US,ACADEMIC PRESS, DULUTH, MN, vol. 8, no. 2, 1 October 1988 (1988-10-01), pages 180 - 190, XP000035617, ISSN: 0740-3194
- [Y] CURTET C ET AL: "MAGNETIC RESONANCE IMAGING USING NMR CONTRAST AGENT GADOLINIUM LABELED MONOCLONAL ANTIBODIES, GD-DTPA-MAB 73.3 AND 19.9 DIRECTED AGAINST CRC HUMAN TUMOR AND GD-DTPA-MAB OC 125 DIRECTED AGAINST HUMAN OVARIAN TUMOR", INTERNATIONAL JOURNAL OF RADIATION APPLICATIONS AND INSTRUMENTATION PART B: NUCLEAR MEDICINE AND BIOLOGY,US,ELSEVIER SCIENCE PUBLISHERS, NEW YORK, NY, vol. PART B/16, no. 2, 1989, pages 180, XP000008061, ISSN: 0883-2897
- [Y] STROSSBERG A.D. ET AL: "Poly and monoclonal anti-idiotypic antibodies interact with beta-adrenergic receptors", FEDERATION PROCEEDINGS, 1984, VOL. 43, NO. 6, PAGE(S) 1742, NO. 1902, XP000938475
- See references of WO 9300934A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

WO 9300934 A1 19930121; AU 2307092 A 19930211; CA 2110819 A1 19930121; EP 0592549 A1 19940420; EP 0592549 A4 20001025; JP H06509102 A 19941013

DOCDB simple family (application)

US 9205500 W 19920629; AU 2307092 A 19920629; CA 2110819 A 19920629; EP 92914741 A 19920629; JP 50228693 A 19920629