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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONTRAST AGENTS TO TARGET EXTRACELLULAR MATRIX

(57) Abstract: A contrast agent of the general formula (I): $Z_1-L-V-Z_2$ (I) wherein at least one of Z_1 and Z_2 is present and are equal or different reporter moieties detectable in vivo imaging of the human or animal body, V is a targeting moiety with binding affinity for areas of collagen formation, L is a covalent bond, a biomodifier or a linker moiety.



WO 2006/054904 A3

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K49/00

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)
A61K

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)

EPO-Internal, WPI Data, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/006491 A2 (AMERSHAM HEALTH AS [NO]; CUTHBERTSON ALAN [NO]; INDREVOLL BAARD [NO];) 23 January 2003 (2003-01-23) the whole document page 7 - page 9; compounds FORMULAS I-III claims 1-28	1-30
X	WO 01/77145 A2 (NYCOMED IMAGING AS [NO]; CUTHBERTSON ALAN [NO]; INDREVOLL BAARD [NO]) 18 October 2001 (2001-10-18) page 7 - page 9; claims 1-29; figure Form.1; compounds I-IX	1-13, 15-19, 23,24, 26-30



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *Z* document member of the same patent family

Date of the actual completion of the international search

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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	HAUBNER R ET AL: "RADIOLABELED TRACERS FOR IMAGING OF TUMOR ANGIOGENESIS AND EVALUATION OF ANTI-ANGIOGENIC THERAPIES" CURRENT PHARMACEUTICAL DESIGN, BENTHAM SCIENCE PUBLISHERS, SCHIPHOL, NL, vol. 10, no. 13, 1 May 2004 (2004-05-01), pages 1439-1455, XP008042350 ISSN: 1381-6128 page 1444; compound 4B -----	1,2, 10-13, 15-19, 22-24, 27-30
X	HAGEN VAN P M ET AL: "EVALUATION OF A RADIOLABELLED CYCLIC DTPA-RGD ANALOGUE FOR TUMOUR IMAGING AND RADIONUCLIDE THERAPY" INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 90, no. 4, 20 August 2000 (2000-08-20), pages 186-198, XP001002235 ISSN: 0020-7136 page 187, column 2; figure 1 -----	1,2,10, 11, 15-19, 22,23, 27-30
X	WO 02/055111 A2 (BRISTOL MYERS SQUIBB MEDICAL I [US]) 18 July 2002 (2002-07-18) ----- page 206; compounds Y-90 examples 18,52-54	1,2,15, 16,19, 22-30
E	WO 2005/123767 A (AMERSHAM HEALTH AS [NO]; CUTHBERTSON ALAN [NO]) 29 December 2005 (2005-12-29) pages 5-6; claims 1-30; compounds I-V -----	1-30
P,X	WO 2005/012335 A (AMERSHAM HEALTH AS [NO]; CUTHBERTSON ALAN [NO]; SOLBAKKEN MAGNE [NO]) 10 February 2005 (2005-02-10) claims 1-13; examples 1,2 abstract -----	1-18,24, 26-31
P,X	WO 2005/003166 A (AMERSHAM HEALTH AS [NO]; CUTHBERTSON ALAN [NO]; INDREVOLL BAARD [NO];) 13 January 2005 (2005-01-13) claims 1-13; figures Form.II-V -----	1-16, 27-30
P,X	WO 2005/019247 A2 (UNIV TEXAS [US]; LI CHUN [US]; KE SHI [US]; WANG WEI [US]) 3 March 2005 (2005-03-03) ----- figures 24,25	1,2,10, 11, 15-17, 19, 22-25, 27-30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NO2005/000435

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 29 and 30 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/NO2005/000435

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