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NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
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(54) Title: POLYAMIDES FOR TREATING HUMAN PAPILLOMA VIRUS

(57) Abstract: The present invention relates to polyamides for treating Human Papilloma Virus.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/006133

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D403/14 C07D207/34 A61K31/415 A61K31/40 A61P31/20

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)

C07D A61K A61P

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, BEILSTEIN Data, 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.
Y	WO 2005/033282 A (PHARMACIA & UPJOHN COMPANY LLC) 14 April 2005 (2005-04-14) cited in the application abstract page 22; claims; table 1	1-72
Y	WO 98/37067 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 27 August 1998 (1998-08-27) abstract pages 131-132 pages 133-228; figures 10A,10B; tables 84-179	1-72
Y	WO 98/37066 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 27 August 1998 (1998-08-27) abstract; claims pages 50-51	1-72
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 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
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *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
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

27 August 2007

Date of mailing of the international search report

20/09/2007

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/006133

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98/35702 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 20 August 1998 (1998-08-20) abstract; claims -----	1-72
Y	COULL, J.J. ET AL.: "Targeted derepression of the human immunodeficiency virus type 1 long terminal repeat by pyrrole-imidazole polyamides" JOURNAL OF VIROLOGY, vol. 76, no. 23, 2002, pages 12349-12354, XP003010845 ISSN: 0022-538X abstract page 12350; figure 1(B); compounds 3,4,M34 -----	1-72
Y	WO 00/15773 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 23 March 2000 (2000-03-23) abstract; claims pages 14-15; figures 8A,8B -----	1-72
Y	WO 98/50058 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 12 November 1998 (1998-11-12) abstract page 15; claims 25,33 -----	1-72
Y	TURNER, J.M. ET AL.: "ALIPHATIC/AROMATIC AMINO ACID PAIRINGS FOR POLYAMIDE RECOGNITION IN THE MINOR GROOVE OF DNA" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 120, 1998, pages 6219-6226, XP000879892 ISSN: 0002-7863 abstract page 6221, column 2; figure 3 -----	1-72
Y	EDELSON, B.S. ET AL.: "Influence of structural variation on nuclear localization of DNA-binding polyamide-fluorophore conjugates" NUCLEIC ACIDS RESEARCH, vol. 32, no. 9, 2004, pages 2802-2818, XP002448159 abstract page 2815 - page 2816 -----	1-71
Y	TURNER, J.M. ET AL.: "RECOGNITION OF SEVEN BASE PAIR SEQUENCES IN THE MINOR GROOVE OF DNA BY TEN-RING PYRROLE-IMIDAZOLE POLYAMIDE HAIRPINS" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 119, no. 33, 1997, pages 7636-7644, XP002072060 ISSN: 0002-7863 abstract -----	1-72

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/006133

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 45-72 are directed to a method of treatment of 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/US2007/006133

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