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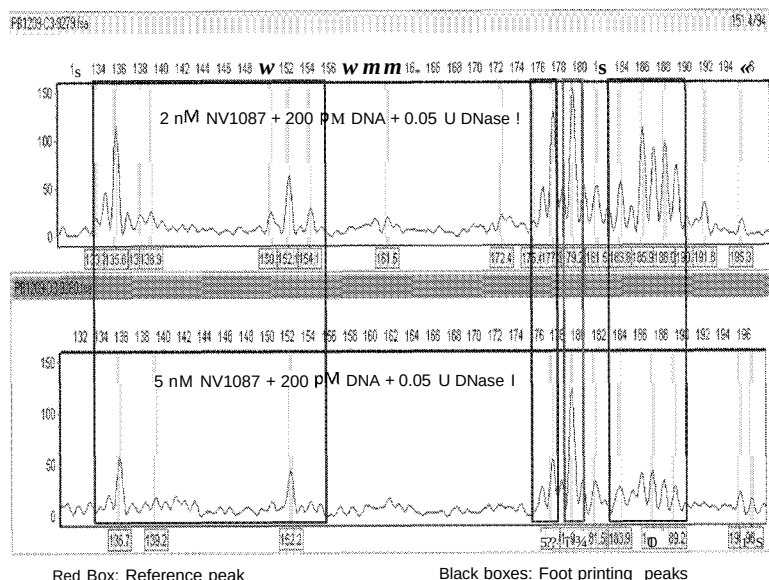
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[Continued on nextpage]

(54) Title: GUANIDINYL-SUBSTITUTED POLYAMIDES USEFUL FOR TREATING HUMAN PAPILLOMA VIRUS



Red Box: Reference peak

Black boxes: Foot printing peaks

(57) Abstract: Polyamide compositions containing guanidiny radicals, including tetramethylguanidiny radicals, are described. These polyamides are useful for medical applications, for example, for treating human papilloma virus infections.

GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/059604**A. CLASSIFICATION OF SUBJECT MATTER****C07D 403/14(2006.01)i, C08L 77/00(2006.01)1, A 61K 31/41 78(2006.01)1, A61P 31/12(2006.01)1**

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 403/14; C12N; C07H 21/04; C07D 403/00; C40B 40/08

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords:guanidinyl,polyamine,HPV, papilloma virus

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	W0 2005-033282 A2 (PHARMACIA & UPJOHN COMPANY LLC et al.) 14 April 2005 See claims 1-15.	1-8
X	W0 2007-130616 A2 (NANO VIR, LLC et al.) 15 November 2007 See claim 1.	1-8
A	US 2008-0287318 A1 (KRANEWITTER WOLFGANG et al.) 20 November 2008 See the whole document.	1-8



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 application or patent 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 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

"&" document member of the same patent family

Date of the actual completion of the international search

29 March 2013 (29.03.2013)

Date of mailing of the international search report

01 April 2013 (01.04.2013)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/059604

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005-033282 A2	14.04.2005	WO 2005-033282 A3 Wo 2005-033282 A3	14.04.,2005 09.04.,2009
WO 2007-130616 A2	15.11.2007	EP 2013200 A2 EP 2013200 B1 JP 2009-536680 A US 2007-0293417 A1 US 2009-0306164 A1 US 2010-0015084 A1 US 7589171 B2 US 8119677 B2 WO 2007-103584 A2 wo 2007-103584 A3 wo 2007-130616 A3 wo 2007-130616 A3	14.01.,2009 25.04.,2012 15.10.,2009 20.12.,2007 10.12.,2009 21.01.,2010 15.09.,2009 21.02.,2012 13.09.,2007 13.09.,2007 17.01.,2008 15.11.,2007
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/059604

Box No. 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.: **9-21**
because they relate to subject matter not required to be searched by this Authority, namely:
The subject-matter of claims 9-21 relates to a method of treatment of the human body, and thus relates to a subject matter which this International Searching Authority is not required, under PCT Article 17(2)(a)(i) and Rule 39.1 (IV), to search.
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 No. 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. IAs all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. IAs all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. IAs 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. INo 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 and, where applicable, the payment of a protest fee.
- ☒ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- I No protest accompanied the payment of additional search fees.