



(51) International Patent Classification:

A61K 38/16 (2006.01) *A61K 47/48* (2006.01)
A61K 38/17 (2006.01) *A61K 47/30* (2006.01)
A61K 48/00 (2006.01) *A61P 35/00* (2006.01)
A61K 9/16 (2006.01)

(21) International Application Number:

PCT/US2012/026682

(22) International Filing Date:

27 February 2012 (27.02.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/446,916 25 February 2011 (25.02.2011) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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).

Published:

- with international search report (Art. 21(3))
- 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))
- with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:

26 October 2012

(54) Title: USE OF AGR3 FOR TREATING CANCER

(57) Abstract: Embodiments are related to processes for using an Anterior Gradient Homolog 3 (AGR3) therapeutic to treat an enhanced AGR2 expressing cancer, or its premalignant precursor, comprising administering an amount of an AGR3 therapeutic to a human patient in need thereof.



WO 2012/116357 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/026682**A. CLASSIFICATION OF SUBJECT MATTER****A61K 38/16(2006.01)i, A61K 38/17(2006.01)i, A61K 48/00(2006.01)i, A61K 9/16(2006.01)i, A61K 47/48(2006.01)i, A61K 47/30(2006.01)i, A61P 35/00(2006.01)i**

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 38/16; G01N 33/53; C12Q 1/70; G01N 33/574

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), PubMed, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7601505 B2 (JOHN E. MONAHAN et al.) 13 October 2009 See abstract; SEQ ID NO: 2; columns 77-78; claims.	28-30
X	US 6171816 B1 (GUO-LIANG YU et al.) 09 January 2001 See abstract; SEQ ID NO: 6; columns 63-64; claims.	28-20
A	US 2007-231822 A1 (MICHAEL MITAS) 04 October 2007 See abstract; claims.	28-30
A	WO 2007-053142 A1 (IMMUNIVEST CORPORATION et al.) 10 May 2007 See abstract; claims.	28-30

☐ 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 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

30 AUGUST 2012 (30.08.2012)

Date of mailing of the international search report

31 AUGUST 2012 (31.08.2012)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/026682**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.: 1-27
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 1-27 pertain to methods for treatment of the human by therapy and thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, 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. ☐ 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 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.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/026682

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7601505 B2	13.10.2009	CA 2527571 A1 CN 1839205 A0 EP 1639137 A2 EP 1639137 A4 JP 2007-504842 A JP 2007-504842 T JP 2010-246558 A KR 10-2006-0013425 A US 2005-0042642 A1 US 2010-0075325 A1 WO 2004-106495 A2 WO 2004-106495 A3	09.12.2004 27.09.2006 29.03.2006 23.04.2008 08.03.2007 08.03.2007 04.11.2010 09.02.2006 24.02.2005 25.03.2010 09.12.2004 09.12.2004
US 6171816 B1		None	
US 2007-231822 A1	04.10.2007	None	
WO 2007-053142 A1	10.05.2007	US 2010-0062426 A1	11.03.2010