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## (71) Applicant (for all designated States except US): UNIVERSITY OF HAWAII [US/US]; Office of Technology

Transfer &amp; Economic, Development, 2800 Woodlawn Drive, Suite 280, Honolulu, HI 96822 (US).

## (72) Inventors; and

## (75) Inventors/Applicants (for US only): YANG, Haining

[CN/US]; 580 Lunalilo Home Road, VB2409, Honolulu, HI 96825 (US). CARBONE, Michele [US/US]; 4119 Blackpoint Road, Honolulu, HI 96816 (US). BIANCHI, Marco, E. [IT/IT]; Via Olgettina 58, I-20132 Milano (IT).

## (74) Agent: DELANEY, Karoline, A.; Knobbe, Martens,

Olson &amp; Bear, LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (US).

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## Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

## Published:

— with international search report (Art. 21(3))

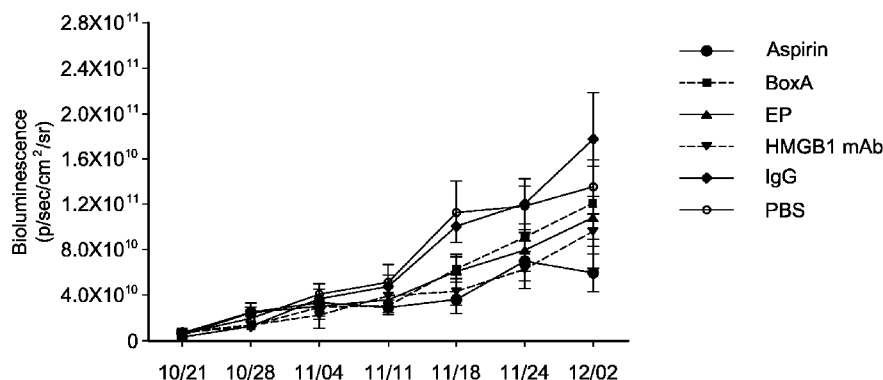
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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

4 April 2013

## (54) Title: TREATMENT AND PREVENTION OF CANCER WITH HMGB1 ANTAGONISTS

FIG. 12



(57) Abstract: Embodiments provided herein relate to methods and compositions for treating or preventing cancer. More particularly, several embodiments are drawn to treating or preventing malignant mesothelioma with antagonists of HMGB1.

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2012/041430****A. CLASSIFICATION OF SUBJECT MATTER***A61K 39/395(2006.01)i, A61K 48/00(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 39/395; A61K 48/00; C12Q 1/68; A61K 38/17; A61P 37/02; C12P 21/06

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) &amp; Keywords: , ,

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages             | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 2006-0111287 A1 (MARCO BIANCHI) 25 May 2006<br>See claims 68, 70, 72, 80                    | 67-82                 |
| A         | WO 2011-030334 A1 (NEW YORK UNIVERSITY et al.) 17 March 2011<br>See claims 1, 2                | 67-82                 |
| A         | US 2008-0311122 A1 (WU HERREN et al.) 18 December 2008<br>See paragraphs [0145], [0226]-[0245] | 67-82                 |
| A         | US 2004-0242481 A1 (BIANCHI MARCO et al.) 02 December 2004<br>See paragraphs [0185]-[0186]     | 67-82                 |



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

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"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 JANUARY 2013 (31.01.2013)

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**01 FEBRUARY 2013 (01.02.2013)**

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Korean Intellectual Property Office  
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan  
City, 302-701, Republic of Korea

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Authorized officer

LIM, Hea Joon

Telephone No. 82-42-481-8395



**INTERNATIONAL SEARCH REPORT**

International application No.

**PCT/US2012/041430****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.: 67-82  
because they relate to subject matter not required to be searched by this Authority, namely:  
The subject matter of claims 67-82 does not require a written opinion since it is directed to methods for treatment of the human body by surgery or therapy, as well as diagnostic methods (Rule 43bis.1(b), Rule 67.1(iv) PCT).
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/US2012/041430**

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/041430**

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