

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 November 2009 (05.11.2009)

(10) International Publication Number
WO 2009/135019 A3

(51) International Patent Classification:

A61K 38/02 (2006.01) A61K 39/00 (2006.01)
A61P 35/00 (2006.01)

(21) International Application Number:

PCT/US2009/042338

(22) International Filing Date:

30 April 2009 (30.04.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/126,065 1 May 2008 (01.05.2008) US

(71) Applicant (for all designated States except US): **BETH ISRAEL DEACONESS MEDICAL CENTER** [US/US]; 330 Brookline Avenue, Boston, MA 02215 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SANDA, Martin, G.** [US/US]; 44 Hubbard Road, Weston, MA 02493 (US). **ARREDOUANI, Mohamed, S.** [MA/US]; 113 Gilbert Road, Belmont, MA 02478 (US).

(74) Agents: **BIEKER-BRADY, Kristina** et al.; Clark & Elbing LLP, 101 Federal Street, Boston, MA 02110 (US).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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:
8 April 2010



WO 2009/135019 A3

(54) Title: METHODS AND COMPOSITIONS FOR PROSTATE CANCER IMMUNOTHERAPY

(57) Abstract: The present invention features methods and compositions (e.g., immune response stimulating peptides (e.g., ERG or SIM2 peptides), activated immune cells, antigen-presenting cells, and antibodies or antigen-binding fragments thereof) for generating an immune response for the treatment of cancer (e.g., prostate cancer).

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/042338**A. CLASSIFICATION OF SUBJECT MATTER***A61K 38/02(2006.01)i, A61P 35/00(2006.01)i, A61K 39/00(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)

IPC: A61K 38/02, A61P 35/00, A61K 39/00

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

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

KOMPASS(KIPO net), Google Patent, PubMed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007/0212702 A1(TOMLINS, S., ET AL.) 13 SEPTEMBER 2007 See claims	14,65
A	US 2006/0127901 A1(CHERMESH, C., ET AL.) 15 JUNE 2006 See abstract and claims	14,65
A	US 2006/0134688 A1(WELSH, J.B., ET AL.) 22 JUNE 2006 See claims	14,65
A	US 2007/0111268 A1(LIN, C.Y., ET AL.) 17 MAY 2007 See abstract and claims	14,65

 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

12 FEBRUARY 2010 (12.02.2010)

Date of mailing of the international search report

16 FEBRUARY 2010 (16.02.2010)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-
gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, JEONG UNG

Telephone No. 82-42-481-8131



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/042338**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.: 153-203
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 153-203 pertain to methods for treatment of the human by therapy, as well as diagnostic method, 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.: 1-13, 15-64, 66-203
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:
Claims 1-13, 15-64, 66-203 are too broad to make meaningful search possible.
3. Claims Nos.: 29-32, 37-40, 48-51, 88-91, 99-102, 130-133, 138-141, 149-152
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/US2009/042338

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-212702 A1	13.09.2007	US 2007-212702 A1	13.09.2007
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