

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 April 2011 (21.04.2011)

PCT

(10) International Publication Number
WO 2011/047384 A9

- (51) **International Patent Classification:**
A61K 31/519 (2006.01) A61P 29/00 (2006.01)
A61P 35/00 (2006.01) A61P 37/00 (2006.01)
- (21) **International Application Number:**
PCT/US2010/053072
- (22) **International Filing Date:**
18 October 2010 (18.10.2010)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/252,230 16 October 2009 (16.10.2009) US
- (71) **Applicant (for all designated States except US):** THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 1111 Franklin Street, 12th Floor, Oakland, CA 94607 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** KORENNYKH, Alexei [RU/US]; 525 Nelson Rising Ln., Apt. 315, San Francisco, CA 94158 (US). WALTER, Peter [US/US]; 800 Kirkham Ave., San Francisco, CA 94122 (US). LI, Han [US/US]; 525 Nelson Rising Lane #320, San Francisco, CA 94158 (US). DAR, Arvin [CA/US]; 550 Gene Friend Way, Apt. 608, San Francisco, CA 94158 (US). SHOKAT, Kevan [US/US]; 783 35th Ave., San Francisco, CA 94121 (US).
- (74) **Agents:** JENKINS, Kenneth, E. et al.; Townsend and Townsend and Crew LLP, 1400 Wewatta Street, Suite 600, Denver, CO 80202-5556 (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, 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, RO, RS, RU, 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, 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 declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority
— with sequence listing part of description (Rule 5.2(a))
- (48) **Date of publication of this revised version:**
25 August 2011
- (15) **Information about Correction:**
see Notice of 25 August 2011



WO 2011/047384 A9

(54) **Title:** METHODS OF INHIBITING IRE1

(57) **Abstract:**

PATENT COOPERATION TREATY

PCT

DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT
(PCT Article 17(2)(a), Rules 13ter.1(c) and (d) and 39)

| | | |
|---|--|--|
| Applicant's or agent's file reference 18062G-119-1 | IMPORTANT DECLARATION | Date of mailing (<i>day/month/year</i>) 04 JULY 2011 (04.07.2011) |
| International application No. PCT/US2010/053072 | International filing date (<i>day/month/year</i>) 18 OCTOBER 2010 (18.10.2010) | (Earliest) Priority date (<i>day/month/year</i>) 16 OCTOBER 2009 (16.10.2009) |
| International Patent Classification (IPC) or both national classification and IPC <i>A61K 31/519(2006.01)i, A61P 35/00(2006.01)i, A61P 29/00(2006.01)i, A61P 37/00(2006.01)i</i> | | |
| Applicant THE REGENTS OF THE UNIVERSITY OF CALIFORNIA et al | | |

This International Searching Authority hereby declares, according to Article 17(2)(a), that **no international search report will be established** on the international application for the reasons indicated below.



- The subject matter of the international application relates to:
 - scientific theories.
 - mathematical theories.
 - plant varieties.
 - animal varieties.
 - essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes.
 - schemes, rules or methods of doing business.
 - schemes, rules or methods of performing purely mental acts.
 - schemes, rules or methods of playing games.
 - methods for treatment of the human body by surgery or therapy.
 - methods for treatment of the animal body by surgery or therapy.
 - diagnostic methods practised on the human or animal body.
 - mere presentation of information.
 - computer programs for which this International Searching Authority is not equipped to search prior art.
- The failure of the following parts of the international application to comply with prescribed requirements prevents a meaningful search from being carried out:

the description the claims the drawings
- A meaningful search could not be carried out without the sequence listing; the applicant did not, within the prescribed time limit:

furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b)
- Further comments:

| | |
|---|---|
| Name and mailing address of ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 189 Cheongsaro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140 | Authorized officer LEE, SUN HWA Telephone No. 82-42-481-5606  |
|---|---|