

REVISED VERSION

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2012/125405 A9

(43) International Publication Date
20 September 2012 (20.09.2012)

(51) International Patent Classification:

A61K 48/00 (2006.01) *A61K 38/16* (2006.01)
A61K 31/7105 (2006.01) *A61P 35/00* (2006.01)
A61K 31/7088 (2006.01)

(21) International Application Number:

PCT/US2012/028285

(22) International Filing Date:

8 March 2012 (08.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/452,027 11 March 2011 (11.03.2011) US

(71) Applicant (for all designated States except US): **MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH** [US/US]; 200 First Street S.W., Rochester, Minnesota 55905 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **STEWART, Alexander Keith** [CA/US]; 11748 East Bloomfield Drive, Scottsdale, Arizona 85259 (US). **BERGSAGEL, Peter** [US/US]; 11847 North 129th Way, Scottsdale, Arizona 85259 (US). **FONSECA, Rafael** [MX/US]; 11860 North 119th Street, Scottsdale, Arizona 85259 (US). **BRAGGIO, Esteban** [AR/US]; 11350 East Sahuaro Drive, Apartment 165, Scottsdale, Arizona 85259 (US).

(74) Agent: **FINN, J. Patrick III**; Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (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, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority

(48) Date of publication of this revised version:

8 November 2012

(15) Information about Correction:

see Notice of 8 November 2012

(54) Title: METHODS AND MATERIALS FOR ASSESSING RESPONSIVENESS TO LENALIDOMIDE, THALIDOMIDE, AND/OR OTHER THALIDOMIDE ANALOGS

(57) Abstract:



WO 2012/125405 A9

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 070391056WO1	IMPORTANT DECLARATION	Date of mailing (<i>day/month/year</i>) 19 SEPTEMBER 2012 (19.09.2012)
International application No. PCT/US2012/028285	International filing date (<i>day/month/year</i>) 08 MARCH 2012 (08.03.2012)	(Earliest) Priority date (<i>day/month/year</i>) 11 MARCH 2011 (11.03.2011)
International Patent Classification (IPC) or both national classification and IPC A61K 48/00(2006.01)i, A61K 31/7105(2006.01)i, A61K 31/7088(2006.01)i, A61K 38/16(2006.01)i, A61P 35/00(2006.01)i		
Applicant MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 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.

1. ☒ The subject matter of the international application relates to:
 - a. ☐ scientific theories.
 - b. ☐ mathematical theories.
 - c. ☐ plant varieties.
 - d. ☐ animal varieties.
 - e. ☐ essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes.
 - f. ☐ schemes, rules or methods of doing business.
 - g. ☐ schemes, rules or methods of performing purely mental acts.
 - h. ☐ schemes, rules or methods of playing games.
 - i. ☒ methods for treatment of the human body by surgery or therapy.
 - j. ☐ methods for treatment of the animal body by surgery or therapy.
 - k. ☐ diagnostic methods practised on the human or animal body.
 - l. ☐ mere presentation of information.
 - m. ☐ computer programs for which this International Searching Authority is not equipped to search prior art.
2. ☐ 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
3. ☐ 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)

4. Further comments:

Name and mailing address of ISA/KR  Korean Intellectual Property Office 189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan City, 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer Park, Jung Min Telephone No. 82-42-481-8291 
--	---