

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 May 2010 (14.05.2010)

PCT

(10) International Publication Number
WO 2010/053572 A9

(51) International Patent Classification:
C07C 217/42 (2006.01) C07D 241/04 (2006.01)
A61K 47/18 (2006.01) B01J 31/12 (2006.01)

(74) Agent: **BAKER, C., Hunter**; Wolf, Greenfield & Sacks, P.C., Federal Reserve Plaza, 600 Atlantic Avenue, Boston, MA 02210-2206 (US).

(21) International Application Number:
PCT/US2009/006018

(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, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(22) International Filing Date:
6 November 2009 (06.11.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/112,414 7 November 2008 (07.11.2008) US
61/166,518 3 April 2009 (03.04.2009) US

(71) Applicant (for all designated States except US): **MAS-SACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).

(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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAHON, Kerry, Peter** [US/US]; 9 Olive Street, Brighton, MA 02135 (US). **LOVE, Kevin, Thomas** [US/US]; 24 Chauncy Street, Apt. 6, Cambridge, MA 02138 (US). **LEVINS, Christopher, G.** [US/US]; 31 Sterling Street, Somerville, MA 02144 (US). **WHITEHEAD, Kathryn, Ann** [US/US]; 205 Summer Street, #3, Somerville, MA 02143 (US). **LANGER, Robert, S.** [US/US]; 98 Montvale Road, Newton, MA 02459 (US). **ANDERSON, Daniel, Griffith** [US/US]; 28 Red Oak Drive, Sudbury, MA 01776 (US).

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: 22 July 2010

(15) Information about Correction: see Notice of 22 July 2010



WO 2010/053572 A9

(54) Title: AMINOALCOHOL LIPIDOIDS AND USES THEREOF

(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 M1237.70015	IMPORTANT DECLARATION	Date of mailing (<i>day/month/year</i>) 25 MAY 2010 (25.05.2010)
International application No. PCT/US2009/006018	International filing date (<i>day/month/year</i>) 06 NOVEMBER 2009 (06.11.2009)	(Earliest) Priority date (<i>day/month/year</i>) 07 NOVEMBER 2008 (07.11.2008)
International Patent Classification (IPC) or both national classification and IPC <i>C07C 217/42(2006.01)i, A61K 47/18(2006.01)i, C07D 241/04(2006.01)i, B01J 31/12(2006.01)i</i>		
Applicant MASSACHUSETTS INSTITUTE OF TECHNOLOGY 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 Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer KANG Young Jin Telephone No. 82-42-481-8391 
---	---