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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 July 2013 (18.07.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/106717 A1

(51) International Patent Classification:
A61K 31/4164 (2006.01)

(21) International Application Number:
PCT/US2013/021245

(22) International Filing Date:
11 January 2013 (11.01.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/586,450 13 January 2012 (13.01.2012) US
61/622,627 11 April 2012 (11.04.2012) US

(71) Applicants: **THE GENERAL HOSPITAL CORPORATION** [US/US]; 55 Fruit Street, Boston, MA 02114 (US). **ANNOVATION BIOPHARMA, LLC** [US/US]; 25 First Street, Suite 303, Cambridge, MA 02141 (US).

(72) Inventors: **RAINES, Douglas, E.**; 2 Dairy Farm Lane, Wayland, MA 01778 (US). **HUSAIN, Syed Shaukat**; 139 Upland Avenue, Newton, MA 02461 (US). **RANDLE, John, C.R.**; 73 Windsor Road, Brookline, MA 02445 (US).

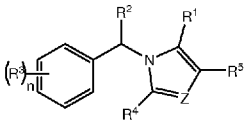
(74) Agents: **RESNICK, David, S.** et al.; Nixon Peabody LLP, 100 Summer Street, Boston, MA 02110 (US).

(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, BN, 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, PA, 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,

[Continued on next page]

(54) Title: ANESTHETIC COMPOUNDS AND RELATED METHODS OF USE



FORMULA (I)

(57) Abstract: Provided herein are compounds according to formula (I): Provided herein is also a pharmaceutical composition comprising a compound according to formula (I) and a pharmaceutically acceptable carrier, and a method for providing anesthesia in a subject by administering such a pharmaceutical composition.

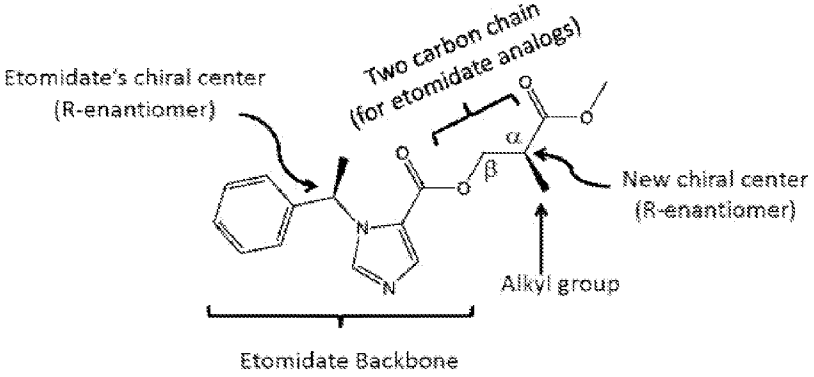


FIG. 3

WO 2013/106717 A1

GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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 international search report (Art. 21(3))*