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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080389 A1

(51) International Patent Classification[7]: C07D 451/04, A61K 31/46, G01N 33/50

(21) International Application Number: PCT/US2005/005070

(22) International Filing Date: 17 February 2005 (17.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/545,702 18 February 2004 (18.02.2004) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/545,702 (CIP)
Filed on 18 February 2004 (18.02.2004)

(71) Applicant *(for all designated States except US)*: **THERAVANCE, INC.** [US/US]; 901 Gateway Boulevard, South San Francisco, California 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MARQUESS, Daniel** [GB/US]; 2037 Touraine Lane, Half Moon Bay, California 94019 (US). **CHOI, Seok-Ki** [KR/US]; 525 Embarcadero Road, Palo Alto, CA 94301 (US). **FATHEREE, Paul R.** [US/US]; 921 Minnesota Street, San Francisco, California 94107 (US). **GENDRON, Roland** [CA/US]; 345 Franconia Street, San Francisco, California 94110 (US). **GOLDBLUM, Adam A.** [US/US]; 505 Molimo Drive, San Francisco, California 94127 (US). **LONG, Daniel D.** [GB/US]; 3855 21st Streret #3, San Francisco, California 94114 (US). **TURNER, S. Derek** [US/US]; 804 Fell Street, San Francisco, California 94117 (US). **LIU, Jyanwei** [US/US]; 681 Endicott Drive, Sunnyvale, California 94087 (US).

(74) Agents: **HAGENAH, Jeffrey A.** et al.; THERAVANCE, INC., 901 Gateway Boulevard, South San Francisco, California 94080 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INDAZOLE-CARBOXAMIDE COMPOUNDS AS 5-HT4 RECEPTOR AGONISTS

(57) Abstract: The invention provides novel indazole-carboxamide 5-HT_4 receptor agonist compounds. The invention also provides pharmaceutical compositions comprising such compounds, methods of using such compounds to treat diseases associated with 5-HT_4 receptor activity, and processes and intermediates useful for preparing such compounds.

WO 2005/080389 A1