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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 April 2007 (12.04.2007)

PCT

(10) International Publication Number
WO 2007/039297 A1

(51) International Patent Classification:
C07D 471/04 (2006.01) *A61P 9/00* (2006.01)
A61K 31/437 (2006.01) *A61P 3/10* (2006.01)
A61P 37/00 (2006.01) *A61P 11/00* (2006.01)

(21) International Application Number:
PCT/EP2006/009620

(22) International Filing Date: 5 October 2006 (05.10.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P200502433 6 October 2005 (06.10.2005) ES

(71) Applicant *(for all designated States except US)*: **LABORATORIOS ALMIRALL, S.A.** [ES/ES]; Ronda del General Mitre 151, E-08022 Barcelona (ES).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **VIDAL JUAN, Bernat** [ES/ES]; C/Font, 11, E-08396 St. Cebrià de Vallalta (Barcelona) (ES). **FONQUERNA POU, Silvia** [ES/ES]; Pg de l'Havana 2-4, esc D, baixos 3, E-08030 Barcelona (ES). **EASTWOOD, Paul, Robert** [GB/ES]; C/Palencia, 33, 2a 1°, E-08191 Rubi (Barcelona) (ES). **AIGUADE BOSCH, Jose** [ES/ES]; C/Sardenya 379, 2°2a, E-08025 Barcelona (ES). **CARDUS FIGUERAS, Aranzazu** [ES/ES]; C/Balmes 14, E-08780 Pallejá (Barcelona) (ES). **CARRANCO MORUNO, Ines** [ES/ES]; C/Eusebi Güell 98 1°4a, E-08830 Sant Boi de Llobregat (Barcelona) (ES). **GONZALEZ RODRIGUEZ, Jacob** [ES/ES]; C/Verge de Montserrat 6-8, 3°2a, E-08980 Sant Feliu de Llobregat (Barcelona) (ES). **PAREDES APARICIO, Sergio** [ES/ES]; C/Navas de Tolosa 259, 5°1a, E-08026 Barcelona (ES).

(74) Agents: **WINKLER, Andreas** et al.; Boehmert & Boehmert Anwaltssozietät, Hollerallee 32, 28209 Bremen (DE).

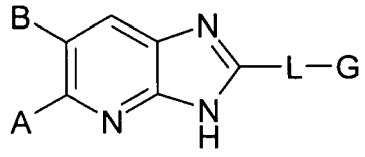
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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, LV, 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:** IMIDAZOPYRIDINE DERIVATIVES AS A2B ADENOSINE RECEPTOR ANTAGONISTS



(I)

(57) **Abstract:** New imidazopyrdidine derivatives of formula (I) are disclosed as antagonists of the A_{28} adenosine receptor.

WO 2007/039297 A1