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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 October 2006 (12.10.2006)

PCT

(10) International Publication Number
WO 2006/106432 A3

(51) International Patent Classification:
C07D 211/52 (2006.01) *A61K 31/445* (2006.01)
C07D 401/12 (2006.01) *A61P 25/24* (2006.01)

(21) International Application Number:
PCT/IB2006/000998

(22) International Filing Date: 6 April 2006 (06.04.2006)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
TO2005A000234 8 April 2005 (08.04.2005) IT

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(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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, 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, 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).

Declaration under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
3 May 2007

(15) Information about Correction:
Previous Correction:
see PCT Gazette No. 12/2007 of 22 March 2007

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: 4-ARYLPIPERIDINE DERIVATIVES AND USE THEREOF FOR PREPARING A MEDICAMENT FOR THE TREATMENT OF CNS DISORDERS

(57) Abstract: The invention relates to novel 4-arylpiperidine derivatives and organic or inorganic acid addition salts thereof. The compounds of the invention and the salts thereof display pharmacological activity towards the central nervous system, particularly antidepressant activity. The invention further relates to pharmaceutical compositions comprising a 4-arylpiperidine derivative of the invention or a pharmaceutically acceptable salt thereof, as well as a process for the preparation of said derivatives.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/000998

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07D211/52 C07D401/12 A61K31/445 A61P25/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, BIOSIS, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARTIN L L ET AL: "SYNTHESIS OF SPIROÛISOBENZOFURAN-1(3H),4'-PIPERIDINES AS POTENTIAL CENTRAL NERVOUS SYSTEM AGENTS 5. CONFORMATIONALLY MOBILE ANALOGUES DERIVED BY FURAN RING OPENING" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 22, no. 11, 1 November 1979 (1979-11-01), pages 1347-1354, XP000607796 ISSN: 0022-2623 page 1347, paragraph 1 - paragraph 2 page 1351; table IV; compound 13D	1-12
X	FR 3 846 M (DR. KARL THOMAE GMBH) 17 January 1966 (1966-01-17) page 2, column 2, paragraph 5 claim 1	1,4-12

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
5 February 2007	26. 02. 2007

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/000998

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ONG H H ET AL: "NOVEL TETRA CYCLIC SPIRO PIPERIDINES 1. 3 ARYL-1 3 DI HYDRO SPIRO BENZO-C-THIOPHENE-1 4' PIPERIDINES AS POTENTIAL ANTI DEPRESSANTS" JOURNAL OF MEDICINAL CHEMISTRY, vol. 24, no. 1, 1981, pages 74-79, XP002406459 ISSN: 0022-2623 page 76; table I; compounds 7-19	1,4-12
X	GB 2 060 619 A (WYETH JOHN & BROTHER LTD) 7 May 1981 (1981-05-07) page 2, line 15 - line 24 claim 1	1-12
X	EP 0 023 706 A1 (BYK GULDEN LOMBERG CHEM FAB [DE]) 11 February 1981 (1981-02-11) page 7, line 10 - line 14 claim 1	1-12