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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 August 2008 (14.08.2008)

PCT

(10) International Publication Number
WO 2008/095823 A1

(51) International Patent Classification:
C07D 209/42 (2006.01) *A61K 31/404* (2006.01)
C07D 401/04 (2006.01) *A61P 3/04* (2006.01)
C07D 403/06 (2006.01) *A61P 3/10* (2006.01)

(21) International Application Number:
PCT/EP2008/051002

(22) International Filing Date: 29 January 2008 (29.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
07101883.2 7 February 2007 (07.02.2007) EP

(71) Applicant *(for all designated States except US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **NETTEKOVEN, Matthias** [DE/DE]; Ruetteweg 3, 79639 Grenzach-Wyhlen (DE). **PLANCHER, Jean-Marc** [FR/FR]; 9, rue des Vignes, F-68220 Hagenthal-Le-Bas (FR). **RICHTER, Hans** [DE/DE]; Winkelmatten 6, 79639 Grenzach-Wyhlen (DE). **ROCHE, Olivier** [FR/FR]; 6, rue des tilleuls, F-68220 Folgensbourg (FR). **TAYLOR, Sven** [FR/FR]; 6, rue des Bosquets, F-68400 Riedisheim (FR).

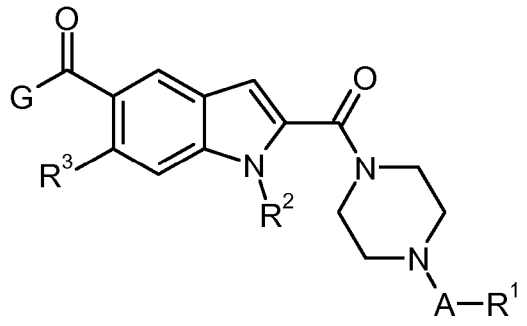
(74) Agent: **KLOSTERMEYER, Doerte**; Grenzacherstrasse 124, CH-4070 Basel (CH).

(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, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(54) **Title:** 5 -AMIDO- (IH- INDOL- 2 -YL) PIPERAZIN-1-YL-METHANONE DERIVATIVES AS HISTAMINE H3 RECEPTOR LIGANDS



(I)

(57) **Abstract:** The present invention relates to compounds of formula (I): wherein A, G and R^1 to R^3 are as defined in the description and claims, and pharmaceutically acceptable salts thereof. The compounds are useful for the treatment and/or prevention of diseases which are associated with the modulation of H3 receptors.

WO 2008/095823 A1