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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 August 2011 (04.08.2011)

PCT

(10) International Publication Number
WO 2011/092140 A1

(51) International Patent Classification:
C07D 231/12 (2006.01) *A61P 29/00* (2006.01)
A61K 31/415 (2006.01) *A61P 37/00* (2006.01)

(21) International Application Number:
PCT/EP2011/050910

(22) International Filing Date:
24 January 2011 (24.01.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10151785.2 27 January 2010 (27.01.2010) EP

(71) Applicant *(for all designated States except US)*: **BOEHRINGER INGELHEIM INTERNATIONAL GMBH** [DE/DE]; Corporate Patents, Binger Str. 173, 55216 Ingelheim am Rhein (DE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **OOST, Thorsten** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **ANDERSKEWITZ, Ralf** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **HAMPRECHT, Dieter, Wolfgang** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **HOENKE, Christoph** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **MARTYRES, Domnic** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **RIST, Wolfgang** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE). **SEITHER, Peter** [DE/DE]; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE).

(74) Agents: **HAMMANN, Heinz** et al.; Boehringer Ingelheim GmbH, Corporate Patents, 55216 Ingelheim am Rhein (DE).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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).

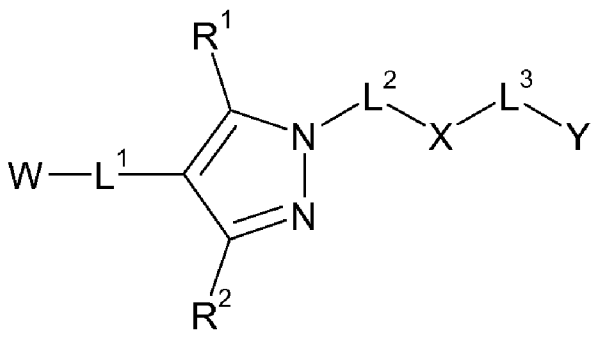
Declarations under Rule 4.17:

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

Published:

— *with international search report (Art. 21(3))*

(54) Title: PYRAZOLE COMPOUNDS AS CRTH2 ANTAGONISTS



(I)

(57) Abstract: The present invention relates to pyrazole compounds of formula (I) and pharmaceutically acceptable salts thereof having CRTH2-activity, wherein W, L^1, L^2, X, L^3, Y, R^1 and R^2 are as defined in the specification and claims, to their use as medicaments and to pharmaceutical formulations, containing said compounds or containing a combination of said compounds with one or more active substances.

WO 2011/092140 A1