



- (51) **International Patent Classification:**
C07D 231/22 (2006.01) **A61K 31/415** (2006.01)
A61P 25/00 (2006.01)
- (21) **International Application Number:**
PCT/US2013/055263
- (22) **International Filing Date:**
16 August 2013 (16.08.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/683,774 16 August 2012 (16.08.2012) US
- (71) **Applicant:** JANSSEN PHARMACEUTICA NV
[BE/BE]; Turnhoutseweg 30, B-2340 Beerse (BE).
- (72) **Inventor; and**
- (71) **Applicant :** WALL, Mark [CA/US]; 108 Manor Drive,
Lansdale, Pennsylvania 19446 (US).
- (72) **Inventors:** SUBASINGHE, Nalin; 302 Long Ride Lane,
Exton, Pennsylvania 19341 (US). SUI, Zhihua; 36
Birchview Drive, Piscataway, New Jersey 08854 (US).
FLORES, Christopher; 107 Veronica Lane, Lansdale,
Pennsylvania 19446 (US).
- (74) **Agents:** JOHNSON, Philip S. et al.; Johnson & Johnson,
One Johnson & Johnson Plaza, New Brunswick, New Jer-
sey 08933 (US).

(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, BN, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

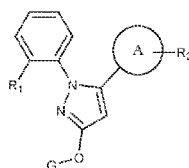
Declarations under Rule 4.17:

— as to the identity of the inventor (Rule 4.17(i))

Published:

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

(54) **Title:** SUBSTITUTED PYRAZOLES AS N-TYPE CALCIUM CHANNEL BLOCKERS



(I)

(57) **Abstract:** Disclosed are compounds, compositions and methods for treating various diseases, syndromes, conditions and disorders, including pain. Such compounds are represented by Formula (I) as follows: wherein R₁, R₂, ring A, and G are defined herein.