



- (51) **International Patent Classification:** Not classified
- (21) **International Application Number:** PCT/IB2013/055146
- (22) **International Filing Date:** 23 June 2013 (23.06.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:** 2682/CHE/2012 3 July 2012 (03.07.2012) IN
- (72) **Inventor; and**
- (71) **Applicant : KANDULA, Mahesh** [IN/IN]; Door No. 11-61, East Godavari Dist, Andhra Pradesh, India, G.medapadu 533434 (IN).
- (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, 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).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) **Title:** COMPOSITIONS AND METHODS FOR THE TREATMENT OF MODERATE TO SEVERE PAIN

(57) **Abstract:** The invention relates to the compounds of formula 1 or its pharmaceutical acceptable salts, as well as polymorphs, solvates, enantiomers, stereoisomers and hydrates thereof The pharmaceutical compositions comprising art effective amount of compounds of formula I; and methods for treating or preventing moderate to severe pain, may he formulated for oral, buccal, rectal, topical, transdermal, transmucosal, intravenous, parenieral adminisiration, syrup, or injection. Such compositions may be used to treatment of muscle pain, spasticity, neuropathic pain, fibromyalgia, postoperative pain,muscle spasticity, headache, chronic pain, sub-chronic pain and local pain.



WO 2014/006529 A2