



- (51) **International Patent Classification:**
A01N 43/36 (2006.01) *A61K 31/40* (2006.01)
- (21) **International Application Number:**
PCT/US2013/053097
- (22) **International Filing Date:**
31 July 2013 (31.07.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/680,789 8 August 2012 (08.08.2012) US
- (71) **Applicant:** PHARMTAK, INC. [US/US]; 30 W. Montague Expwy., San Jose, California 95134 (US).
- (72) **Inventors:** SUE, I-Lan Tung; 30 W. Montague Expwy., San Jose, California 95134 (US). LEE, Jung-Chung; 30 W. Montague Expwy., San Jose, California 95134 (US).
- (74) **Agent:** JACOBSON, Jill A.; FisherBroyles, LLP, 2784 Homestead Rd. #321, Santa Clara, California 95051 (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, 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.

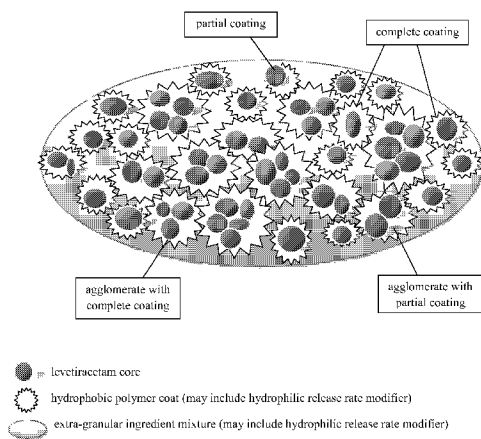
- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, 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:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (54) **Title:** EXTENDED-RELEASE LEVETIRACETAM AND METHOD OF PREPARATION

Figure 1



- (57) **Abstract:** Described herein is a pharmaceutical composition comprising levetiracetam as an active ingredient to provide prolonged release characteristic to allow once a day dosage regime. The innovative formulation comprises levetiracetam and a hydrophobic polymer with or without additional release rate modifier(s). The formulation may comprise other pharmaceutically acceptable excipients. This invention also describes the processes of preparing such dosage forms.