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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 September 2007 (20.09.2007)

PCT

(10) International Publication Number
WO 2007/106467 A3

(51) International Patent Classification:
C07D 413/14 (2006.01) *A61P 9/00* (2006.01)
A61K 31/42 (2006.01)

(21) International Application Number:
PCT/US2007/006277

(22) International Filing Date: 12 March 2007 (12.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/781,861 13 March 2006 (13.03.2006) US

(71) Applicant *(for all designated States except US)*: **ENCYSIVE PHARMACEUTICALS, INC.** [US/US]; 4848 Loop Center Drive, 7th Floor, Houston, TX 77081 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **REICHWEIN, John, F.** [NL/US]; 5510 S. Rice Avenue #2329, Houston, TX 77081 (US). **HANSEN, Tim** [US/US]; 77 Rosemary Street, New London, CT 06320 (US).

(74) Agents: **RIEGER, Dale, L.** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, 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*

(88) Date of publication of the international search report:
25 October 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMORPHS OF N-(4-CHLORO-3-METHYL-5-ISOXAZOLYL)2-[2-METHYL-4,5-(METHYLENEDIOXY) PHENYLACETYL]THIOPHENE-3-SULFONAMIDE, SODIUM SALT

(57) Abstract: N-(4-chloro-3-methyl-5-isoxazolyl)-2-[2-methyl-4,5-(methylenedioxy)phenyl- acetyl]thiophene-3-sulfonamide,, sodium salt, is provided herein in the form of three polymorphs (Forms A, B and C). Forms A, B and C are specified by the peaks in their X-ray powder diffraction patterns, their absorption peaks in their infrared absorption spectra, their peaks in their Raman spectra and their melting points.

WO 2007/106467 A3