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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/103348 A3

(51) International Patent Classification[7]: A61K 9/16, 31/55, 38/13, 9/14

(21) International Application Number: PCT/US2004/015621

(22) International Filing Date: 19 May 2004 (19.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/471,581 19 May 2003 (19.05.2003) US

(71) Applicant *(for all designated States except US)*: **BAXTER INTERNATIONAL INC.** [US/US]; ONE BAXTER PARKWAY, DEERFIELD, IL 60015 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BARRETT, Rabinow, E.** [US/US]; 9119 Tripp Avenue, Skokie, IL 60076 (US). **WERLING, Jane** [US/US]; 605 South Highland Avenue, Arlington Heights, IL 60005 (US). **KONKEL, Jamie, Teresa** [US/US]; 835 Game Trail, Apt. 303, Lakemoor, IL 60050 (US). **DOTY, Mark, J.** [US/US]; 610 Kenilworth Street, Grayslake, IL 60030 (US). **REBBECK, Christine, L.** [US/US]; 525 Eagle Ridge Lane, Algonquin, IL 60102 (US).

(74) Agents: **MAYO, Michael, C.** et al.; Baxter International Inc., One Baxter Parkway, Deerfield, Illinois 60015 (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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, IT, LU, MC, 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:
6 January 2005

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: SOLID PARTICLES COMPRISING AN ANTICONVULSANT OR AN IMMUNOSUPPRESSIVE COATED WITH ONE OR MORE SURFACE MODIFIERS

(57) Abstract: This invention pertains to the formulation of small-particle suspensions of anticonvulsants, particularly carbamazepine, for pharmaceutical use. This invention also pertains to the formulation of a small-particle suspensions of immunosuppressive agents, particularly cyclosporin, for pharmaceutical use. The particles are coated with one or more surface modifiers.

WO 2004/103348 A3