

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 June 2003 (19.06.2003)

PCT

(10) International Publication Number
WO 03/050075 A1

(51) International Patent Classification⁷: **C07C 217/74**,
213/08, A61K 31/135, A61P 25/24

(21) International Application Number: PCT/US02/38401

(22) International Filing Date: 3 December 2002 (03.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/335,822 5 December 2001 (05.12.2001) US

(71) Applicant: **WYETH** [US/US]; Five Giralda Farms, Madison, NJ 07940-0874 (US).

(72) Inventors: **ALI, Kadum, Abdul, Nabi**; 32 Massachusetts Avenue, Congers, NY 10920 (US). **HAN, Jun**; 4232 Green Leaf Court, #312, Park City, IL 60085 (US). **LEE, Yong, Jai**; 48 Woodcock Road, Monroe, NY 10950 (US).

(74) Agents: **BARRETT, Rebecca, R.**; Wyeth, Patent Law Department, Five Giralda Farms, Madison, NJ 07940-0874 et al. (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

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: NOVEL CRYSTALLINE POLYMORPH OF VENLAFAXINE HYDROCHLORIDE AND METHODS FOR THE PREPARATION THEREOF

(57) Abstract: This invention relates to a highly thermally stable novel anhydrous crystalline polymorphic form of venlafaxine hydrochloride, methods for the preparation thereof, and its use.



WO 03/050075 A1