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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 October 2001 (11.10.2001)

PCT

(10) International Publication Number
WO 01/74358 A1

(51) International Patent Classification[7]: A61K 31/4375, 9/72, 9/14, 9/20, 9/48, A61P 15/12

(21) International Application Number: PCT/US01/40294

(22) International Filing Date: 14 March 2001 (14.03.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/190,540 20 March 2000 (20.03.2000) US

(71) Applicant *(for all designated States except US)*: **TAP HOLDINGS, INC.** [US/US]; 675 North Field Drive, Lake Forest, IL 60045 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GUPTA, Pramod, K.** [US/US]; 6986 Bennington Drive, Gurnee, IL 60031 (US). **BOLLINGER, John, Daniel** [US/US]; 423 7th Avenue, Libertyville, IL 60048 (US). **CHEN, Yisheng** [US/US]; 1220 Vista Drive, Gurnee, IL 60031 (US). **ZHENG, Jack, Yuqun** [US/US]; 29647 N. Birch Avenue, Lake Bluff, IL 60044 (US). **REILAND, Thomas, L.** [US/US]; 33974 North Lake Shore Drive, Gages Lake, IL 60030 (US). **LEE, Dennis, Y.** [US/US]; 2560 Highmoor Road, Highland Park, IL 60035 (US).

(74) Agents: **KATZ, Martin, L.** et al.; Rockey, Milnamow & Katz, Ltd., 47th Floor, Two Prudential Plaza, Chicago, IL 60601 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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

WO 01/74358 A1

(54) Title: METHODS FOR TREATING SEXUAL DYSFUNCTION WITH APOMORPHINE AT SPECIFIED PLASMA CONCENTRATION LEVELS

(57) Abstract: Methods for administering apomorphine to a patient for the treatment of sexual dysfunctions while reducing undesirable side effects are disclosed. In the methods, the concentration of apomorphine is attained within the patients' plasma of up to 10 nanograms per milliliter. Advantageously, this concentration may be achieved with less than 15 % of patients so treated experiencing emesis. Methods of administration are intranasally, be inhalation to the lungs or by oral ingestion.