

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 August 2006 (24.08.2006)

PCT

(10) International Publication Number
WO 2006/086985 A1

(51) International Patent Classification:
C07D 295/073 (2006.01) **A61P 25/18** (2006.01)
A61K 31/495 (2006.01)

(21) International Application Number:
PCT/DK2006/000087

(22) International Filing Date:
14 February 2006 (14.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA200500238 16 February 2005 (16.02.2005) DK
60/653,418 16 February 2005 (16.02.2005) US

(71) Applicant (for all designated States except US): **H. LUNDBECK A/S** [DK/DK]; Ottiliavej 9, DK-2500 Valby (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NIELSEN, Ole** [DK/DK]; Nystedvej 19, DK-2500 Valby (DK). **LOPEZ DE DIEGO, Heidi** [DK/DK]; Hælderne 5, DK-2850 Nærum (DK). **BANG-ANDERSEN, Benny** [DK/DK]; Lillegrund 33, DK-2300 Copenhagen S (DK).

(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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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, IS, IT, LT, LU, LV, 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

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: TARTRATE AND MALATE SALTS OF TRANS-1-((1R,3S)-6-CHLORO-3-PHENYLINDAN-1-YL)-3,3-DIMETHYLPYPERAZINE

(57) Abstract: A tartrate and malate salt of trans-1-(6-chloro-3-phenylindan-1-yl)-3,3-dimethylpiperazine, in particular for medical use, pharmaceutical formulations thereof, including for treatment of schizophrenia or other diseases involving psychotic symptoms.



WO 2006/086985 A1