



(51) International Patent Classification:
C07D 489/08 (2006.01)

(21) International Application Number:
PCT/DK2010/050110

(22) International Filing Date:
21 May 2010 (21.05.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA200900650 25 May 2009 (25.05.2009) DK
61/181,022 26 May 2009 (26.05.2009) 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): **DE FAVERI, Carla** [IT/IT]; Via dei Colli 28, I-31010 Farra di Soligo (TV) (IT). **CASARIN, Mauro** [IT/IT]; Via G. da Maiano 50/A/2, I-30034 Mira (VE) (IT). **BRUSEGAN, Michele** [IT/IT]; Via delle Prete 37/A, I-30010 Camponogara (VE) (IT).

(74) Common Representative: **H. LUNDBECK A/S**; Ottiliavej 9, DK-2500 Valby (DK).

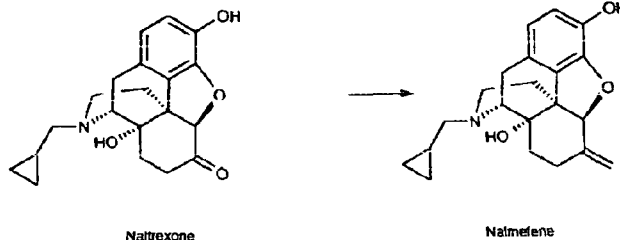
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: PREPARATION OF NALMEFENE HYDROCHLORIDE FROM NALTREXONE



(57) Abstract: Method for producing nalmefene hydrochloride from naltrexone, which method is particular well adapted for large-scale industrial application, and has been found to be efficient, to give a high yield and to afford highly pure nalmefene hydrochloride salt.