

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2011/103460 A8

(43) International Publication Date
25 August 2011 (25.08.2011)

- (51) International Patent Classification:
A01N 43/38 (2006.01) *A61K 31/405* (2006.01)
A61K 31/44 (2006.01)
- (21) International Application Number:
PCT/US2011/025475
- (22) International Filing Date:
18 February 2011 (18.02.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/305,909 18 February 2010 (18.02.2010) US
- (71) Applicant (for all designated States except US): **ME-DIVATION TECHNOLOGIES, INC.** [US/US]; 525 Market Street, 36th Floor, San Francisco, CA 94105 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHAKRAVARTY, Sarvajit** [US/US]; 1888 Miramonte Avenue, Mountain View, CA 94040 (US). **HART, Barry, Patrick** [US/US]; 920 Palo Alto Avenue, Palo Alto, CA 94301 (US). **JAIN, Rajendra, Parasmal** [IN/IN]; E-202, Sapphire Park, Park Street Phase II, Wakad, Pune 411 057 (IN).
- (74) Agents: **REANEY, Shannon** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(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, RS, 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))

(48) Date of publication of this corrected version:

18 October 2012

(15) Information about Correction:
see Notice of 18 October 2012

(54) Title: FUSED TETRACYCLIC PYRIDO[4,3-B]INDOLE AND PYRIDO[3,4-B]INDOLE DERIVATIVES AND METHODS OF USE

(57) Abstract: This disclosure is directed to fused tetracyclic pyrido[4,3-b]indoles and pyrido[3,4-b]indoles. Pharmaceutical compositions comprising the compounds are also provided, as are methods of using the compounds in a variety of therapeutic applications, including the treatment of a cognitive disorder, psychotic disorder, neurotransmitter-mediated disorder and/or a neuronal disorder.



WO 2011/103460 A8