



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

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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>A61K 31/445, C07D 401/12, 407/12, 409/12, 411/12, 413/12, 417/12</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 00/00197</b><br><b>(43) International Publication Date:</b> 6 January 2000 (06.01.00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>(21) International Application Number:</b> PCT/US99/14291<br><b>(22) International Filing Date:</b> 25 June 1999 (25.06.99)<br><b>(30) Priority Data:</b><br>60/090,914                      26 June 1998 (26.06.98)                      US<br><b>(71) Applicants (for all designated States except US):</b><br>WARNER-LAMBER COMPANY [US/US]; 201 Tabor Road, Morris Plains, NJ 07950 (US). COCENSYS, INC. [US/US]; 201 Technology Drive, Irvine, CA 92618 (US).<br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> WRIGHT, Jonathan, L. [GB/US]; 2382 Timbercrest Court, Ann Arbor, MI 48105 (US). KESTEN, Suzanne, Ross [US/US]; 3320 Bluett Road, Ann Arbor, MI 48105 (US). UPASANI, Ravindra, B. [US/US]; 63 Montecilo, Foothill Ranch, CA 92610 (US). LAN, Nancy, C. [US/US]; 522 Hermosa Street, South Pasadena, CA 91030 (US).<br><b>(74) Agents:</b> MANDRA, Raymond, R. et al.; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Plaza, New York, NY 10112-3801 (US). |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |
| <b>(54) Title:</b> 4-BENZYL PIPERIDINE ALKYL SULFOXIDE HETEROCYCLES AND THEIR USE AS SUBTYPE-SELECTIVE NMDA RECEPTOR ANTAGONISTS<br><br><b>(57) Abstract</b><br><br>Novel 4-Benzyl piperidine alkylsulfoxide heterocycles are disclosed and their use as subtype selective NMDA receptor antagonists, particularly for the treatment of Parkinson's disease, most preferably in combination with L-DOPA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |