



(51) International Patent Classification:
A61B 5/0476 (2006.01) *A61B 5/0478* (2006.01)

(21) International Application Number:
PCT/US2010/054346

(22) International Filing Date:
27 October 2010 (27.10.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/255,343 27 October 2009 (27.10.2009) US

(71) Applicant (for all designated States except US): **NEUROVIGIL, INC.** [US/US]; 7606 Fay Avenue, La Jolla, CA 92037 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LOW, Philip** [CA/US]; 8870 Vila La Jolla Dr. Apt.#214, La Jolla, CA 92037 (US). **CHI, Yu, M.** [US/US]; 1 Miramar Street, La Jolla, CA 92092 (US). **JOSHI, Siddharth** [IN/US]; 7699 Palmilla Drive Apt. #3305, La Jolla, CA 92122 (US). **UEBELHER, Christopher** [US/US]; 10243 Kam-

wood Place, San Diego, CA 92126 (US). **DUBOIS, Yvon, A.** [BE/US]; 1018 Avocado Avenue, Escondido, CA 92026 (US). **LIU, Kevin** [—/US]; 816 Meadow Pass Rd., Walnut, CA 91789 (US).

(74) Agent: **JURGENSEN, Thomas, E.**; CATALYST LAW GROUP, 3111 Camino Del Rio North, Suite 310, San Diego, CA 92108 (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,

[Continued on next page]

(54) Title: HEAD HARNESS & WIRELESS EEG MONITORING SYSTEM

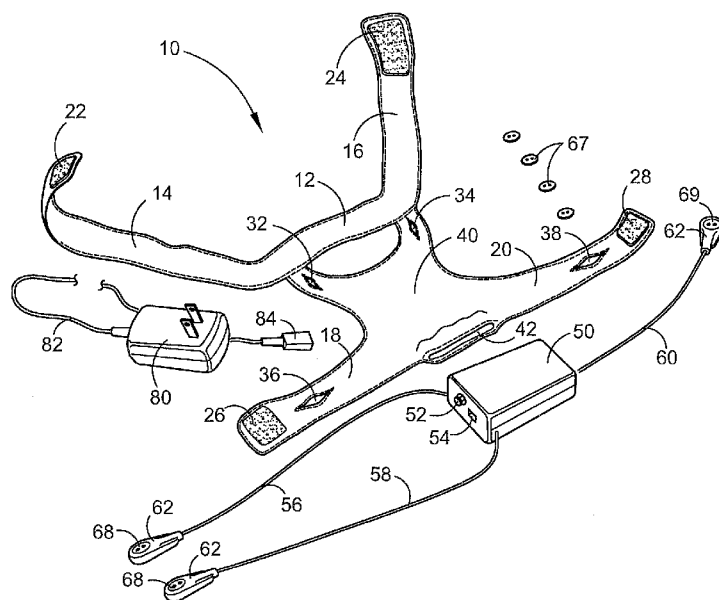


FIG. 1

(57) Abstract: An assembly and system for collection and assessment of physiological data is provided. The assembly includes a physiological data acquisition module that may be used in combination with a head harness for the collection, recordation, storage and transmission of quality physiological data. The assembly integrates easy to use, self-applied electrodes in a user- friendly system resulting in less data artifacts than commonly seen in conventional methods and techniques for collecting physiological data. The assembly and system captures high-quality physiological data for display, storage, processing and analysis.



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:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*