



- (51) International Patent Classification:
A61B 5/0265 (2006.01) A61B 5/00 (2006.01)
- (21) International Application Number:
PCT/IB2012/000332
- (22) International Filing Date:
7 February 2012 (07.02.2012)
- (25) Filing Language:
English
- (26) Publication Language:
English
- (30) Priority Data:
61/441,248 9 February 2011 (09.02.2011) US
61/474,739 12 April 2011 (12.04.2011) US
13/252,180 3 October 2011 (03.10.2011) US
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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, QA, RO, RS, RU, RW, 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, RW, 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).

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

- Published:
— with international search report (Art. 21(3))
- (88) Date of publication of the international search report:
1 November 2012

(54) Title: DEVICES AND METHODS FOR MONITORING CEREBRAL HEMODYNAMIC CONDITIONS

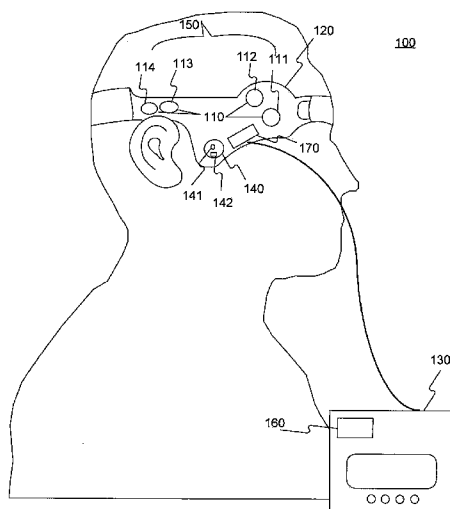


Figure 1

(57) Abstract: Devices, and methods for synchronizing cerebro-hemodynamic signals are disclosed. In one aspect, the devices and methods may include synchronizing first and second signals indicative of hemodynamic characteristics within a subject's brain. Differences may be determined between the synchronized signals and used to provide information for diagnosing changes in arterial occlusion. Differences between the synchronized signals may include differences, such as timing delays, between signature features of the synchronized signals. The first and second signals may be indicative of hemodynamic characteristics in first and second hemisphere's of a subject's brain. The first and second signals may be bioimpedance signals.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB12/00332

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61B 5/0295, A61B 5/00 (2012.01) USPC - 600/506 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC (8): A61B 5/0295, 5/00, 5/0456 (2012.01) USPC: 600/506, 342, 381, 473, 504, 549 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MicroPatent (US Granted, US Applications, EP-A, EP-B, WO, JP, DE-G, DE-A, DE-T, DE-U, GB-A, FR-A); DialogPro (Derwent, INSPEC, NTIS, PASCAL, Current Contents Search, Dissertation Abstracts Online, Inside Conferences); Google; Google Scholar; blood, flow*, hemodynamic*, "R," wave*, sync*, brain*, crani*, occlu*, stroke*, signal, impedance*, hemisphere*		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7024238 B2 (BERGETHON, P) April 4, 2006, abstract; figure 5; column 3, lines 21-60; column 9, lines 1-29; column 11, lines 9-65	1-36
Y	US 2008/0275352 A1 (SHAPIRA, A et al.) November 6, 2008, abstract; figures 1A, 2, 4, 8; paragraphs [0012], [0015], [0017], [0066], [0067], [0073], [0081], [0087], [0088]	1-36
Y	US 6022322 A (PRUTCHI, D) February 8, 2000, abstract, figure 3; column 4, lines 52-67; column 7, lines 30-61; column 8, lines 41-59	1-36
P, Y	US 2012/0022349 A1 (POUPKO, BZ et al.) January 26, 2012, abstract; figures 1, 2, 6A-6B; paragraphs [0014]-[0018], [0039]-[0048], [0074]-[0077], [0079]-[0082], [0094]-[0096]	1-36
A	US 5,676,145 A (BAR-LAVIE, YP) October 14, 1997, abstract; figure 1; column 3, lines 50-67 to column 4, lines 1-58	1-36
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Date of the actual completion of the international search 05 July 2012 (05.07.2012)		Date of mailing of the international search report 07 AUG 2012
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774