

1) Family number: 77698006 (US10561863B)

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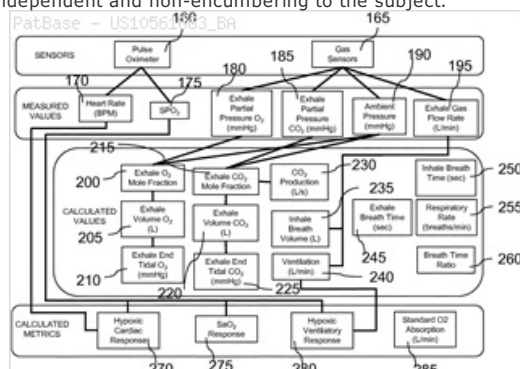
Title: BIOMETRIC AND ENVIRONMENTAL MONITORING AND CONTROL SYSTEM

Abstract: A wearable device for comprehensive bio-monitoring of physiologic metrics to determine metabolic, pulmonary and cardiac function and oxygen saturation measurements from breathing mask apparatuses. The device non-invasively monitors the physiologic profile of the subject, and is capable of detecting physiologic changes, predicting onset of symptoms, and alerting the wearer or another person or system. In some embodiments, the device comprises both a wearable sensor suite and a portable gas composition and flow analysis system. In preferred embodiments, it comprises a miniaturized non-invasive sensor suite for detecting physiologic changes to detect dangerous breathing or other health conditions. The acquired physiologic profile is used to generate alarms or warnings based on detectable physiological changes, to adjust gas delivery to the subject, alter mission profiles, or to transfer control of the craft or other duties away from a debilitated subject. The device is compact, portable, vehicle independent and non-encumbering to the subject.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/083 A62B18/02 A62B7/14 A62B9/00 (Advanced/Invention)

CPC: A61B5/0836 A61B5/486 A61B5/6803 A61B5/7225 A61B5/7275 A61B5/7278 A62B7/14 A62B9/006 A62B18/02 A62B18/08 A61B5/0833



Family:

Publication number	Publication date	Application number	Application date
US10561863 BA	20200218	US20140510596	20141009

Priority:

US20120441515 20120406 US20130889826P 20131011 US20140056035P 20140926
US20140510596 20141009

Probable Assignee: ORBITAL RES INC

Assignee(s): (std): BIRCH MATTHEW ; DASHEVSKY DAVID ; LISY FREDERICK ; ORBITAL RES INC

Assignee(s): ORBITAL RESEARCH INC ; NAVY DEPARTMENT OF

Inventor(s): (std): DASHEVSKY DAVID ; BIRCH MATTHEW ; LISY FREDERICK

Agent(s): KOLKOWSKI BRIAN

2) Family number: 63732053 (US2016295978A)

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Title: SMART CANE WITH EXTENSIONS FOR NAVIGATING STAIRS

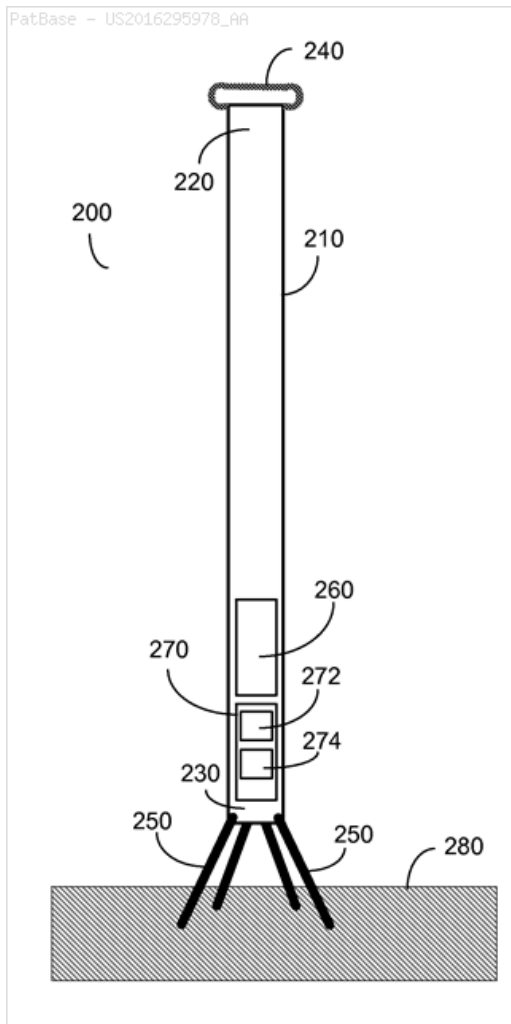
Abstract: Devices and systems are described including a walking aid including a linear rod having a first end and a second end, a hand grip disposed in proximity to the first end of the linear rod, two or more extendable and retractable self-leveling load-bearing feet at the second end of the linear rod, at least one sensor configured to detect a parameter of a walking surface in proximity to the second end of the linear rod, and a controller including a microprocessor and circuitry, the controller operably coupled to the two or more extendable and retractable self-leveling load-bearing feet and the at least one sensor, and including circuitry configured to receive information regarding the detected parameter of the walking surface from the at least one sensor and circuitry configured to actuate at least one of the two or more extendable and retractable self-leveling load-bearing feet in response to the information regarding the detected parameter of the walking surface.

Classifications:

International (IPC 8-9): A45B3/00 A45B9/00 A45B9/02 A45B9/04 A61B5/00 A61B5/01 A61B5/024 A61B5/0404 A61B5/11 A61B5/1455 A61H3/00 A61H3/02 A61H3/06 G01B21/00 G01B21/16 G01B21/20 G01B21/30 G08B21/02 (Advanced/Invention); A45B9/00 (Advanced/Non-invention)

CPC: A45B9/00 A61H2201/0173 A61H3/0244 A61H3/04 A61H2003/025 A61H2201/013 A61H2201/1215 A61H2201/1238 A61H2201/1664 A61H2201/5015 A61H2201/5043 A61H2201/5046 A61H2201/5064 A61B5/14551 A61B5/0404 A61B5/01 A61B5/024 A61B5/112 A61B5/6887 A61H2201/501 A61H2003/0205 A61H2230/00 A61H2003/063 A61H2201/5007 A61H2201/5097 A61H2230/06 A61H2230/207 A61H2230/50 G08B21/0423 G08B21/043 G08B25/016 A45B2009/002 A45B2009/005 A61H3/0288 A61H3/061 A61H3/068 A61H2003/0272 A61H2201/0192 A61H2201/5048 A61H2201/5058 A61H2201/5061 A61H2201/5069 A61H2201/5084 A61H2201/5092 G08B21/0461 A45B3/00 A45B9/02 A45B9/04 A61H3/00 A61H3/02 G01B21/16 G01B21/20 G01B21/30 G08B21/02

US: 1/1 135/66 135/67 135/77

**Family:**

Publication number	Publication date	Application number	Application date
US2016295978 AA	20161013	US20150835908	20150826
US2016296407 AA	20161013	US20150684853	20150413
US2017055652 AA	20170302	US20160249971	20160829
US2017216125 AA	20170803	US20170433595	20170215
US9468272 BA	20161018	US20150835908	20150826
US9591902 BA	20170314	US20160249971	20160829

Priority:

US20150684853 20150413 US20150835908 20150826 US20160249971 20160829
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Probable Assignee: ELWHA LLC

Assignee(s): (std): ELWHA LLC

Inventor(s): (std): HYDE RODERICK A ; KARE JORDIN T ; DUNCAN WILLIAM DAVID ; BANGERA MAHALAXMI GITA ; CHIN HON WAH ; WOOD JR LOWELL L ; ISHIKAWA MURIEL Y ; TEGREENE CLARENCE T ; LORD ROBERT W ; PETROSKI ROBERT C ; LEUTHARDT ERIC C ; CHEATHAM III JESSE R ; LORD RICHARD T

3) Family number: 40812058 (US2007265533A)

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Title: CUFFLESS BLOOD PRESSURE MONITORING APPLIANCE

Abstract: A heart monitoring system for a person includes one or more wireless nodes forming a wireless mesh network and a wearable appliance having a sound transducer coupled to the wireless transceiver; and a heart disease recognizer coupled to the sound transducer to determine cardiovascular health and to transmit heart sound over the wireless mesh network to a remote listener or processor.

Classifications:

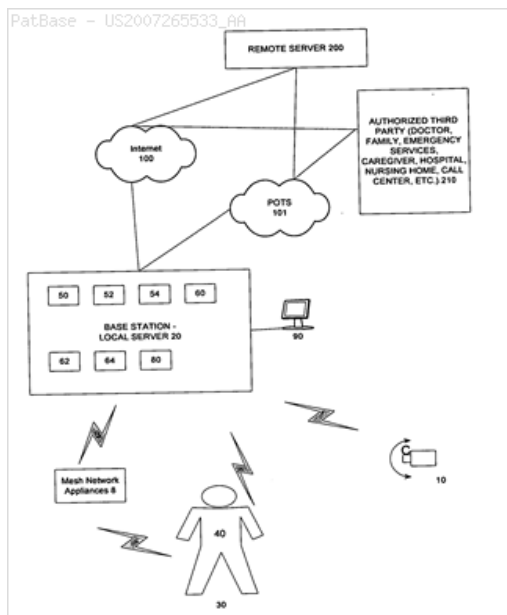
International (IPC 8-9): A61B19/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/021 A61B5/024 A61B5/026 A61B5/03 A61B5/04 A61B5/0402 A61B5/0452 A61B5/0476 A61B5/0488 A61B5/053 A61B5/11 A61B5/145 A61B5/1455 A61B5/20 A61B6/00 A61B7/04 A61B8/00 A61B8/06 A61N5/04 G06F19/00 G08B21/02 G08B23/00 G08C15/06 H04L12/66 (Advanced/Invention); A61B5/00 A61B5/0215 A61B5/022 A61B5/024 A61B5/04 A61B5/0402 A61B5/044 A61B5/0452 A61B5/0476 A61B5/0488 A61B5/0492 A61B5/053 A61B5/08 A61B5/103 A61B5/117 A61B5/145 A61B5/1455 A61B5/22 A61B8/00 A61B8/08 G06F19/00 (Advanced/Non-invention); A61B5/00 A61B5/02 A61B5/0205 A61B5/04 A61B5/11 A61N5/02 H04L12/66 (Core/Invention)

CPC: A61B5/6833 A61B5/0004 A61B5/0015 A61B5/026 A61B5/11 A61B5/6802 A61B5/683 A61B2560/0228 A61B5/0026 A61B5/002

A61B5/686 G08B21/02 A61B5/031 A61B5/201 A61B5/4875
A61B5/0816 H04M3/5116 H04M2203/1075 H04M2250/12
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G06F19/3418 G06F19/3456

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S06F19/32C S06F19/34L

US: 1/1 340/539.12 340/573.1 340/870.02 340/870.07 340/870.3 370/352 370/352S 600/300 600/301 600/301P 600/309
600/323 600/324 600/364 600/365 600/409 600/437 600/454 600/476 600/479 600/481 600/481P 600/483 600/483P
600/484 600/485 600/508 600/508P 600/508S 600/509 600/509P 600/509S 600/513 600/515 600/528 600/528S 600/529
600/531 600/544 600/549 600/561 600/595 600/595S



Family:

Publication number	Publication date	Application number	Application date
US2007265533 AA	20071115	US20060433900	20060512
US2007276270 AA	20071129	US20060439631	20060524
US2009227877 AA	20090910	US20090426232	20090418
US2009318779 AA	20091224	US20090486810	20090618
US2012095357 AA	20120419	US20110337217	20111226
US2012242501 AA	20120927	US20120488351	20120604
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US2012330109 AA	20121227	US20110337219	20111226
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US2016066788 AA	20160310	US20150941494	20151113
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US9215980 BB	20151222	US20140260164	20140423
US9801542 BB	20171031	US20150941494	20151113
US9814425 BB	20171114	US20140568044	20141211

Priority:

US20060433900 20060512	US20060439631 20060524	US20090426232 20090418
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US20130858855 20130428
US20140260164 20130428
US20150747710 20150623

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): EMPIRE IP LLC ; PHILIPS KONINKLL NV ; TRAN BAO ; TRAN HA THI

Assignee(s): WEST 74TH STREET SERIES 75 OF ALLIED SECURITY TRUST I ; PHILIPS NORTH AMERICA LLC

Inventor(s): (std): TRAN BAO ; TRAN HA THI ; TRAN HA

Agent(s): TRAN AND ASSOCIATES; BAO Q TRAN; JOHN R; KASHA LAW LLC; KELLY L

4) Family number: 59879099 (US2015202448A)

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Title: SYSTEMS AND RELATED METHODS FOR OPTIMIZATION OF MULTI-ELECTRODE NERVE PACING

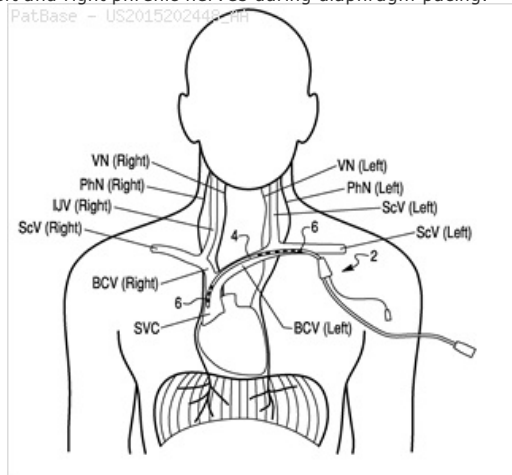
Abstract: This disclosure describes, among other embodiments, systems and related methods for selecting electrode combinations to be used during nerve pacing procedures. A first set of electrode combinations of a nerve pacing system, such as a phrenic nerve pacing system for diaphragm activation, may be mapped (or tested) to determine the location of the electrode combinations relative to a target nerve. Once the general location of the target nerve is known, a more localized second set of electrode combinations may be tested to determine the most suitable electrode combinations for nerve stimulation. At various stages of the mapping process, electrode combinations that are non-optimal may be discarded as candidates for use in a nerve pacing procedure. The systems and methods described herein may allow for the selection of electrode combinations that are most suitable for stimulation of the left and right phrenic nerves during diaphragm pacing.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/04
A61B5/042 A61B5/0488 A61B5/145 A61N1/05 A61N1/08
A61N1/36 (Advanced/Invention);
A61B5/0245 A61B5/04 A61B5/042 A61B5/0488 A61B5/05 A61B5/08
A61B5/145 A61N1/05 (Advanced/Non-invention)

CPC: A61B5/0205 A61B5/0245 A61B5/04001 A61B5/0422
A61B5/0488 A61B5/05 A61B5/08 A61B5/145 A61B5/4818
A61B5/4836 A61B5/4893 A61B5/6852 A61B5/7264 A61B2562/043
A61N1/0551 A61N1/3611 A61N1/36139 A61N1/36185

US: 1/1 607/42 607/62



Family:

Publication number	Publication date	Application number	Application date
AU2015208640 AA	20160908	AU20150208640	20150120
AU2015208640 BB	20200220	AU20150208640	20150120
CA2935454 AA	20160629	CA20152935454	20150120
CN105916549 A	20160831	CN201580004954	20150120
CN105916549 B	20190423	CN201580004954	20150120
CN109805911 A	20190528	CN201910268245	20150120
DE602015035292 D1	20190829	DE201560035292T	20150120
EP3096835 A1	20161130	EP20150740415	20150120
EP3096835 A4	20170809	EP20150740415	20150120
EP3096835 B1	20190807	EP20150740415	20150120
EP3566743 A1	20191113	EP20190182380	20150120
JP2017503596 T2	20170202	JP20160547584T	20150120
JP2019136604 A2	20190822	JP20190104284	20190604
JP6537517 B2	20190703	JP20160547584T	20150120
US2015202448 AA	20150723	US20150600763	20150120
US2016220822 AA	20160804	US20160095773	20160411
US2017143975 AA	20170525	US20170427924	20170208
US2019336773 AA	20191107	US20190510403	20190712
US9333363 BB	20160510	US20150600763	20150120
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WO15109401 A1	20150730	WO2015CA50035	20150120

Priority:

US20140929901P 20140121	CN201580004954 20150120	EP20150740415 20150120
US20150600763 20150120	JP20160547584T 20150120	WO2015CA50035 20150120
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Probable Assignee: LUNGPACER MEDICAL INC

Assignee(s): (std): SIMON FRASER UNIV ; UNIV FRASER SIMON ; LUNGPACER MEDICAL INC

Assignee(s): LUNGPACER MEDICAL INC BURNABY ; NOLETTE MARC ANDRE ; HOFFER JOAQUIN ANDRES ; THAKKAR VIRAL ; TRAN BAO DUNG ; SADARANGANI GAUTAM

Inventor(s): (std): SADARANGANI GAUTAM ; NOLETTE MARC ANDRE ; TRAN BAO DUNG ; HOFFER JOAQUIN ANDRES ; THAKKAR VIRAL ; THAKKAR VIRAL S ; GAUTAM SADARANGANI ; MARC ANDRE NOLETTE ; VIRAL S THAKKAR

Inventor(s): HOFFER JOAQUIN ANDRES ANMORE ; SADARANGANI GAUTAM BURNABY ; NOLETTE MARC ANDRE BURNABY ; THAKKAR VIRAL BURNABY ; TRAN BAO DUNG VANCOUVER

Agent(s): FB RICE; FB RICE PTY LTD; ROBIC; CBDL PATENTANWALTE; INTES DIDIER GERARD ANDRE; CABINET BEAU DE LOMENIE; ONDA MAKOTO; ONDA HIRONORI; BOOKOFF MCANDREWS PLLC; ROBIC LLP

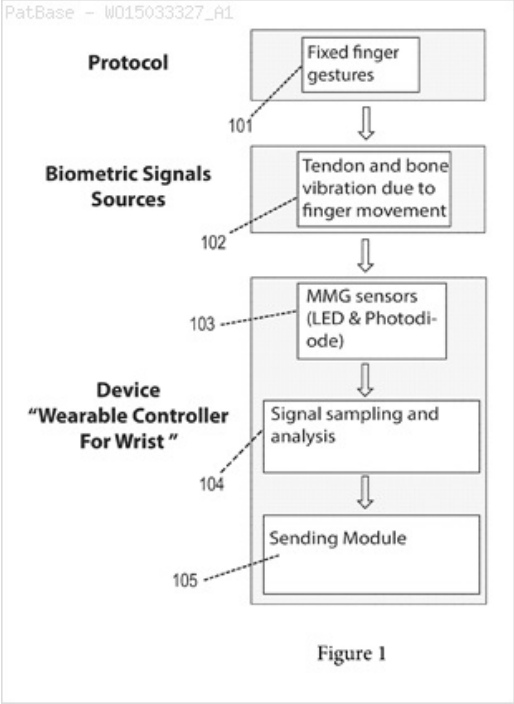
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5) Family number: 58694160 (WO15033327A1) © PatBase

Title: WEARABLE CONTROLLER FOR WRIST

Abstract: A human-computer interface comprises a wearable device (302, 503, 603) having a plurality of sensor nodes (103, 301, 601, 602, 501, 401, 402, 404). Each sensor node includes one or more Mechanomyography (MMG) sensors, and additionally optic sensors. A module (103, 403) automatically measures finger gestures generated signals using one or more of said sensors. A module (401, 402 and 404) automatically determines the position and the movement at the wrist level that correspond to one or more specific user finger gestures. A module (403, 405) causes one or more computing devices to automatically execute one or more specific commands corresponding to one or more of the specific user gestures.

Classifications:
International (IPC 8-9): A61B5/00 A61B5/11 G06F3/01 (Advanced/Invention)
CPC: A61B5/1125 A61B2560/0209 G06F3/017 A61B5/681 G06F1/163 G06F3/014 G06F3/015 G06F3/0346



Family:

Publication number	Publication date	Application number	Application date
WO15033327 A1	20150312	WO2014IB64348	20140909

Priority:

US20130875128P 20130909

Probable Assignee: BELFIORI ALFREDO

Assignee(s): (std): BELFIORI ALFREDO

Inventor(s): (std): BELFIORI ALFREDO

Agent(s): PROVVISIONATO PAOLO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 55978199 (US2014070957A) © PatBase

Title: WEARABLE COMMUNICATION PLATFORM

Abstract: An wearable communications garment that includes one or more user-selectable inputs integrated into the garment. A sartorial communications apparatus may include a flexible material that is worn (e.g., as an undergarment) by the user and includes one or more interactive sensors that may be manually activated by a user, even through one or more intervening layers of clothing. The apparatus may also include one or more additional body sensors configured to sense a user's position, movement, and/or physiological status. The sensor(s) may be connected via a conductive trace on the garment to a sensor module for analysis and/or transmission. Methods of manufacturing the garments as well as methods of using the garments are also described.

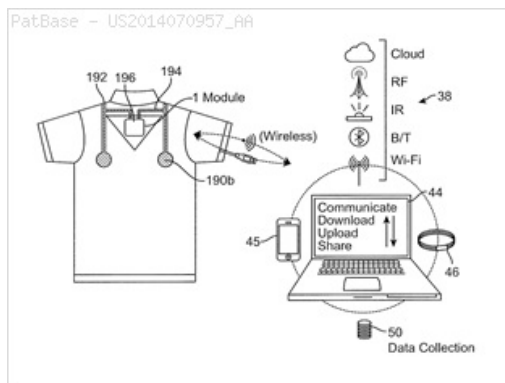
Classifications:
International (IPC 8-9): A41B1/08 A41D1/00 A41D13/00 A41D13/12 A41D27/00 A41H43/04 A42B1/04 A61B A61B5/00 A61B5/0205 A61B5/024 A61B5/04 A61B5/0402 A61B5/0408 A61B5/0478 A61B5/0492 A61B5/08 A61B5/11 A61B5/113 A61B5/16 A63B71/06 B29C65/52 B29C65/54 B32B3/08 B32B37/26 B32B38/14 B44C1/17 D03D1/00 D06M11/74 D06M11/79 D06M11/83 D06M15/263

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CPC: A61B5/04 A61B5/6807 A61B5/742 G01L1/22 Y10T29/49117
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US20190666363 20191028

Probable Assignee: LIFE CORP SA

Assignee(s): (std): ALIVERTI ANDREA ; L I F E CORP S A ; L I F E CORP SA ; LONGINOTTI BUITONI GIANLUIGI ; PALLAI FABRIZIO

Assignee(s): LIFE CORP SA ; L I F E S A CORP

Inventor(s): (std): ALIVERTI ANDREA ; LONGINOTTI BUITONI GIANLUIGI ; ANDREA ALIVERTI ; GIANLUIGI LONGINOTTI BUITONI ; PALLAI FABRIZIO

Agent(s): FETHERSTONHAUGH AND CO; OFFICE FREYLINGER SA; OFFICE FREYLINGER; PRICE NIGEL JOHN KING; J A KEMP; CARPINTERO MARIO; HONG KONG INTELLECTUAL PROPERTY AGENT LTD; SHAY GLENN LLP; KIHNN PIERRE ET AL; SHOOP RICHARD D

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 54419202 (US2015011843A)

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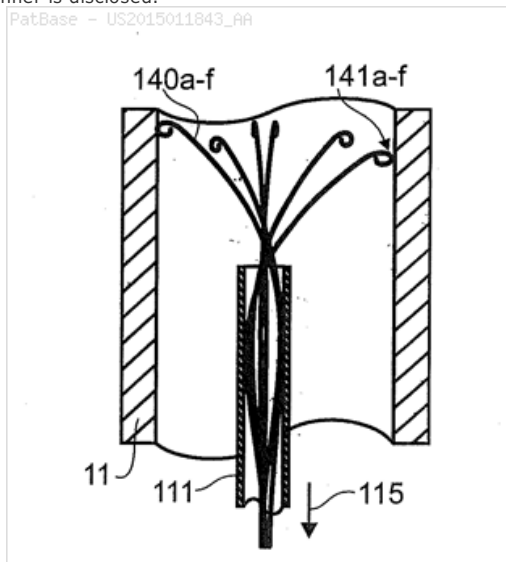
Title: CONTROLLED SYMPATHECTOMY AND MICRO-ABLATION SYSTEMS AND METHODS

Abstract: A catheter system for controlled sympathectomy procedures is disclosed. A catheter system for controlled micro ablation procedures is disclosed. Methods for performing a controlled surgical procedure are disclosed. A system for performing controlled surgical procedures in a minimally invasive manner is disclosed.

Classifications:

International (IPC 8-9): A61B10/02 A61B10/04 A61B17/00 A61B17/32 A61B18/00 A61B18/02 A61B18/12 A61B18/14 A61B18/18 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/04 A61B5/0488 A61B5/0492 A61B5/053 A61B5/11 A61B5/145 A61B5/1459 A61B5/1473 A61B5/20 A61B7/02 A61B7/04 A61M25/00 A61M25/095 A61N1/00 A61N1/36 A61N5/10 A61N7/02 (Advanced/Invention); A61B18/00 A61B18/14 A61B18/18 A61B5/01 A61B5/02 A61B5/0215 A61B5/04 A61B5/0488 A61B90/00 A61N5/10 A61N7/00 (Advanced/Non-invention); A61N1/00 (Core/Invention)
CPC: A61B5/4839 A61B5/02007 A61B5/02055 A61B5/0215 A61B5/04001 A61B5/0488 A61B5/14532 A61B5/6853 A61B7/023 A61B10/02 A61B10/04 A61B18/02 A61B18/1445 A61B18/1815 A61B2018/0022 A61B2018/00267 A61B2018/00404 A61B2018/00511 A61B2018/00636 A61B2018/00702 A61B2018/1467 A61B2018/1475 A61B2018/1861 A61N5/1048 A61N7/022 A61N2007/0026 A61N2007/003 A61B2017/320069 A61B17/320016 A61B17/320068 A61B18/12 A61B2018/00434 A61B2018/00642 A61B2018/00648 A61B2562/02 A61B2018/00839 A61B5/04882 A61B5/1106 A61B5/4893 A61B5/6885 A61B18/1492 A61B2018/0016 A61B2018/00214 A61B2018/00345 A61B2018/00505 A61B2018/00577 A61B2018/00654 A61B2018/1425 A61B2090/065 A61B2562/0261 A61B2562/028 A61B2562/06 A61N1/36114 A61N1/36185 A61N7/00 A61B5/0084 A61B5/01 A61B5/0492 A61B5/0538 A61B5/1459 A61B5/6857 A61B5/6858

US: 1/1 600/300 600/301 600/308 600/364 600/381 600/481 600/486 600/546 600/547 600/549 600/561 600/562 600/586



Family:

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Priority:

US20120590812P 20120126 US20120613097P 20120320 CN201380016637 20130125
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 US20190591126 20191002

Probable Assignee: AUTONOMIX MEDICAL INC**Assignee(s):** (std): SCHWARTZ ROBERT ; TOTH LANDY ; AUTONOMIX MEDICA INC ; AUTONOMIX MEDICAL INC ; TRICORD HOLDINGS L L C**Assignee(s):** AUTONOMIX MEDICAL INC6420 BAYVIEW PLACEEXCELSIORMN55331US ; TRICORD HOLDINGS LLC ; TRICORD HOLDINGS LLC10400 VIKING DRIVESUITE 550EDEN PRAIRIEMN55344US**Inventor(s):** (std): SCHWARTZ ROBERT ; TOTH LANDY ; ROBERT SCHWARTZ ; LANDY TOTH ; SCHWARTZ ROBERT S**Inventor(s):** SCHWARTZ ROBERTUS ; TOTH LANDYUS**Agent(s):** SPRUSON AND FERGUSON; KIRBY EADES GALE BAKER; WILLIAMS DAVID JOHN; USUI SHINICHI; OKABE YUZURU; TAKANASHI NORIMICHI; RYAN MASON AND LEWIS LLP; LEWIS WILLIAM E**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**8) Family number: 65330280 (US2017232300A)**

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Title: SMART DEVICE**Abstract:** An Internet of Thing (IoT) device includes a camera coupled to a processor; and a wireless transceiver coupled to the processor. Blockchain smart contracts can be used with the device to facilitate secure operation.**Classifications:****International (IPC 8-9):** A42B3/04 A61B5/00 A61B5/0205

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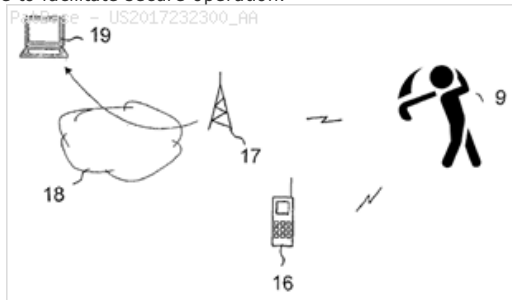
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US: 1/1 340/870.07 340/870.3 434/247 700/91**Family:**

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US9849364 BB	20171226	US20170586199	20170503
US9975033 BB	20180522	US20170407255	20170117
US10022613 BB	20180717	US20170594311	20170512
US10022614 BA	20180717	US20170612808	20170602
US10034066 BB	20180724	US20170624014	20170615
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US10195513 BB	20190205	US20180989484	20180525
US10200834 BB	20190205	US20170821718	20171122
US10252145 BB	20190409	US20170624927	20170616
US10499216 BB	20191203	US20180990550	20180525
US10532268 BB	20200114	US20180973524	20180507

Priority:

US20160013957	20160202	US20160144773	20160502	US20170407248	20170116
US20170407253	20170117	US20170407255	20170117	US20170407257	20170117
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US20170821718	20171122	US20180973524	20180507	US20180990550	20180525
US20180989484	20180525	US20180034239	20180712	US20180207154	20181202
US20180213943	20181207	US20190252543	20190118	US20190693293	20191123

Probable Assignee:

TRAN BAO

Assignee(s): (std):

TRAN BAO ; TRAN HA

Inventor(s): (std):

TRAN HA ; TRAN BAO

Agent(s):

TRAN AND ASSOCIATES

9) Family number: 41020280 (US2008004904A)

© PatBase

Title: SYSTEMS AND METHODS FOR PROVIDING INTEROPERABILITY AMONG HEALTHCARE DEVICES

Abstract: A medical system includes a network; one or more medical data collection appliances coupled to the network, each appliance transmitting data conforming to an interoperable format; and a server coupled to the network to store data for each individual in accordance with the interoperable format.

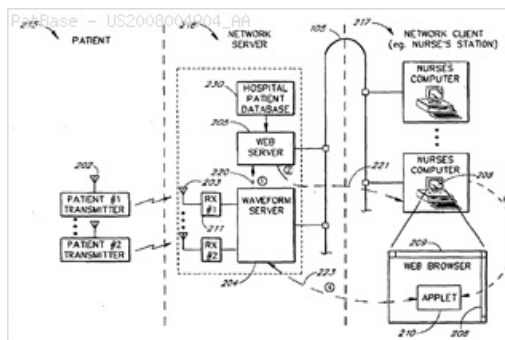
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CPC: G16H40/20 A61B7/00 A61B5/0006 A61B5/0022 A61B5/02055 A61B5/021 A61B5/02438 A61B5/0404 A61B5/0476 A61B5/0492 A61B5/0496 A61B5/0537 A61B5/0816 A61B5/11 A61B5/1112 A61B5/1117 A61B5/1135 A61B5/145 A61B5/14532 A61B5/4023 A61B5/411 A61B5/4818 A61B5/4839 A61B5/6804 A61B5/681 A61B5/721 A61B5/7214 A61B5/7225 A61B5/7232 A61B5/7257 A61B5/726 A61B5/7267 A61B5/7275 A61B7/003 A61B8/06 A61B8/0808 A61B8/4472 A61B8/56 A61B8/565 A61B2503/08 A61B2560/0214 G06F19/3418 G06Q50/22

European: A61B5/00B2 A61B5/00B3B A61B5/00B5F A61B5/0205B A61B5/0404 A61B5/0492 A61B5/11M A61B5/11P2 A61B5/41B A61B5/48C8 A61B5/48J2 A61B5/68B1D A61B5/68B1H A61B5/72F A61B8/56 G06F19/32G G06F19/34C G06Q50/22 K61B5/021 K61B5/024F K61B5/0476 K61B5/0496 K61B5/053J K61B5/08R K61B5/11 K61B5/113B K61B5/145 K61B5/145G K61B5/72B2B K61B5/72B2D K61B5/72K10B K61B5/72K10D K61B5/72M2 K61B7/00D K61B8/06 K61B8/44N8

US: 1/1 340/286.07 340/286.070S 340/539.11 340/539.110S 340/539.12 340/539.120S 600/300 600/300S 705/2 705/2P 707/100 707/999.1 707/999.100S



Family:

Publication number	Publication date	Application number	Application date
US2008004904 AA	20080103	US20060512630	20060830
US9820658 BB	20171121	US20060512630	20060830
US10610111 BA	20200407	US20170626014	20170616

Priority:

US20060818260P	20060630	US20060512630	20060830	US20170626014	20170616
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Probable Assignee:

TRAN BAO

Assignee(s): (std):

TRAN BAO ; TRAN BAO Q

Inventor(s): (std):

TRAN BAO ; TRAN BAO Q

Agent(s):

TRAN AND ASSOCIATES

Title: WHIPFLASH [TM]: WEARABLE ENVIRONMENTAL CONTROL SYSTEM FOR PREDICTING AND COOLING HOT FLASHES

Abstract: This invention is a sleep environment control system which uses wearable technology with physiological sensors to predict when a person will have a hot flash and to proactively provide localized cooling or accelerated airflow for that person for a limited time to alleviate the adverse effects of that hot flash. In an example, a physiological sensor can be a body temperature sensor, skin conductance sensor, or EEG sensor. This system can reduce interruptions of a person's sleep due to hot flashes and improve their quality of life.

Classifications:

International (IPC 8-9): A47C27/06 A47C27/08 A61F7/00

F24F11/00 (Advanced/Invention);

A61B5/00 A61B5/01 (Advanced/Non-invention)

CPC: F24F11/0001 A61B5/01 A61B5/4806 A61F7/0085

A61F2007/0054 A61F2007/0057 A61F2007/006 A61F2007/0069

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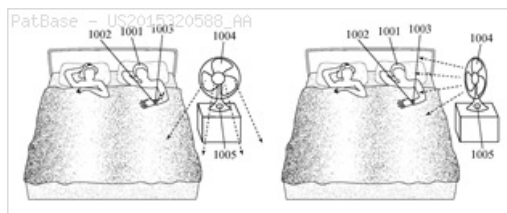
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A61B5/4836 A47C21/003 A47C21/006 A47C21/044 A47C21/048

A47C27/082 A47C31/008

US: 1/1 165/247 607/104 607/107



Family:

Publication number	Publication date	Application number	Application date
US2015320588 AA	20151112	US20150703916	20150505
US201909009 AA	20190404	US20180208665	20181204
US10179064 BB	20190115	US20150703916	20150505

Priority:

US20140991172P 20140509

US20150703916 20150505

US20180208665 20181204

Probable Assignee:

SLEEPNEA LLC

Assignee(s): (std):

CONNOR ROBERT A ; SLEEPNEA LLC

Inventor(s): (std):

CONNOR ROBERT A

Title: WEARABLE COMPUTING DEVICES FOR ACQUIRING ATHLETIC MOVEMENT DATA, AND SYSTEMS AND METHODS RELATING THERETO

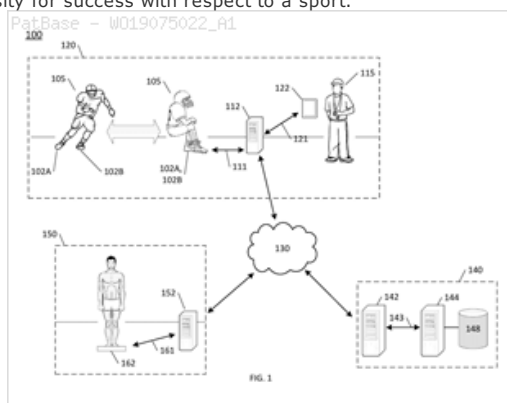
Abstract: Wearable computing devices adapted to be worn on the feet are provided for acquiring, validating and analyzing athletic movement data. Generally, the wearable computing devices can include one or more processors, a memory, and one or more sensors for sensing certain characteristics of an athletic movement. A local computing device is provided for receiving data from the wearable computing device that is indicative of the characteristics of the athletic movement, extracting selected portions from the data, and transmitting the selected portions to a remote server system. The remote server system can be configured to store, aggregate and update a data in a database, and generate one or more normalized values and/or interventions associated with the athletic movement. The normalized values may indicate to the user a susceptibility to injury, progression towards return to play or propensity for success with respect to a sport.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/11 (Advanced/Invention)

CPC: A61B5/6807 A61B5/1038 A61B5/1118 A61B5/6833

A61B2503/10



Family:

Publication number	Publication date	Application number	Application date
AU2018347321 AA	20190418	AU20180347321	20181010
WO19075022 A1	20190418	WO2018US55163	20181010

Priority:

US20170570427P 20171010

WO2018US55163 20181010

Probable Assignee: SPARTA SOFTWARE CORP

Assignee(s): (std): SPARTA SOFTWARE CORP

Inventor(s): (std): WAGNER PHILLIP PATRICK

Agent(s): AJ PARK; GLEN LIU

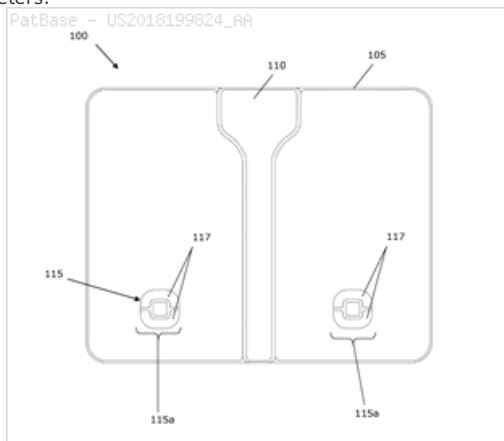
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Title: DEVICE FOR MEASURING BIOLOGICAL SIGNALS

Abstract: A device for measuring a biological signal, including a cardiovascular signal. The device includes a force sensor positioned to measure a biological signal as a varying force exerted on the device and/or electrical signal sensors that cooperate with each other to measure a biological signal as an electrical signal sensed from the user. The device includes a processor that receives the biological signal, determines, from the biological signal, one or more biological parameters, and generates output representative of the one or more biological parameters.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/0205 A61B5/021 A61B5/0295 A61B5/04 A61B5/0402 A61B5/0408 A61B5/0472 A61B5/053 (Advanced/Invention)
CPC: A61B5/02125 A61B5/6887 A61B5/7232 A61B5/0205 A61B5/0022 A61B5/02116 A61B5/029 A61B5/0295 A61B5/0402 A61B5/0816 A61B5/6891 A61B5/7285 A61B2560/0223 A61B2562/0252 G01G19/50 A61B5/04012 A61B2562/0214 A61B5/145 A61B5/7246 A61B5/0408 A61B5/02055 A61B5/0006 A61B5/01 A61B5/02405 A61B5/02444 A61B5/0245 A61B5/04085 A61B5/0456 A61B5/0468 A61B5/0472 A61B5/0535 A61B5/0537 A61B5/1102 A61B5/4869 A61B5/6829 A61B5/7203 A61B5/721 A61B5/7221 A61B5/7225 A61B5/7239 A61B5/725 A61B5/7275 A61B5/7292 A61B2560/0468 A61B2562/029 A61B2562/04 G16H20/10 G16H20/30 G16H20/60 G16H40/63 G16H50/20 G16H50/30 G16H50/50 G16H50/70 A61B5/11 A61B5/7267
US: 1/1 600/301 600/393 600/547



Family:

Publication number	Publication date	Application number	Application date
CA2992038 AA	20180109	CA20152992038	20151102
US2018199824 AA	20180719	US20150743154	20151102
US2019046064 AA	20190214	US20180163343	20181017
US2019046069 AA	20190214	US20180163349	20181017
US2019059761 AA	20190228	US20180163354	20181017
WO17008138 A1	20170119	WO2015CA51120	20151102

Priority:

US20150191318P 20150710 US20150743154 20151102 WO2015CA51120 20151102
 US20180743154 20180109 US20180163343 20181017 US20180163349 20181017
 US20180163354 20181017

Probable Assignee: SMITH SARAH ANN

Assignee(s): (std): BODYPORT INC ; CENTEN COREY JAMES ; SMITH SARAH ANN

Inventor(s): (std): SMITH SARAH ANN ; PATEL SARIN ; PRICHARD MICHAEL ; CENTEN COREY JAMES

Agent(s): RIDOUT AND MAYBEE LLP

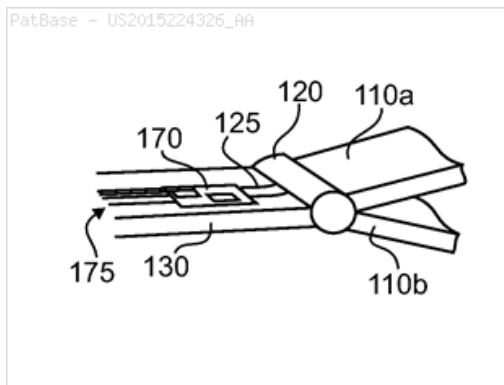
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Title: ENDOSCOPIC SYMPATHECTOMY SYSTEMS AND METHODS

Abstract: A system for controlled sympathectomy procedures is disclosed. A system for controlled micro ablation procedures is disclosed. Methods for performing a controlled surgical procedure are disclosed. A system for performing controlled surgical procedures in a minimally invasive manner is disclosed. An implantable device for monitoring and/or performing a neuromodulation procedure is disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/11 A61B17/20 A61B17/32 A61B18/04 A61B18/12 A61B18/14 A61B18/18 A61B5/00 A61B5/02 A61B5/0205 A61B5/04 A61B5/042 A61B5/0488 A61B5/0492 A61B5/05 A61B5/11 A61B7/04 A61M31/00 A61M5/14 A61N1/05 A61N1/36 A61N1/372 (Advanced/Invention); A61B10/02 A61B17/00 A61B18/00 A61B18/02 A61N1/05 A61N1/36 A61N7/02 (Advanced/Non-invention)
CPC: A61N1/37205 A61B5/6852 A61B5/0205 A61B5/4875 A61B5/0492 A61B5/04001 A61B5/1107 A61B7/04 A61B5/02007 A61B5/4839 A61N1/05 A61M5/14 A61B5/4848 A61B2562/0214 A61B2017/00345 A61B2018/00577 A61B2018/00648 A61B2018/00875 A61M2202/0275 A61M2202/048 A61M2202/0484 A61M2202/049 A61B5/042 A61B10/02 A61B18/02 A61B18/1445 A61B18/1492 A61B2018/00291 A61B2018/00345 A61B2018/00434 A61B2018/00505 A61B2018/00511 A61B2018/00642 A61B2018/00755 A61B2018/00839 A61B2018/143 A61N1/0553 A61N1/0556 A61N7/02 A61N1/36
US: 1/1 600/301 600/373 600/377



Family:

Publication number	Publication date	Application number	Application date
AU2013267672 AA	20141211	AU20130267672	20130528
AU2013267672 BB	20171116	AU20130267672	20130528
CA2874620 AA	20141120	CA20132874620	20130528

EP2852339 A1	20150401	EP20130798005	20130528
EP2852339 A4	20151111	EP20130798005	20130528
IN09240CN2014 A	20160701	IN2014CN09240	20141222
SG11201407873R A1	20141230	SG20141107873	20130528
US2015224326 AA	20150813	US20130403891	20130528
US2018200524 AA	20180719	US20180920775	20180314
US2019151670 AA	20190523	US20190252207	20190118
US9968790 BB	20180515	US20130403891	20130528
US10226633 BB	20190312	US20180920775	20180314
WO13181137 A1	20131205	WO2013US42847	20130528

Priority:

US20120652426P 20120529 US20130403891 20130528 WO2013US42847 20130528
US20140403891 20141125 US20180920775 20180314 US20190252207 20190118

Probable Assignee: AUTONOMIX MEDICAL INC

Assignee(s): (std): AUTONOMIX MEDICAL INC ; SCHWARTZ ROBERT ; TOTH LANDY

Assignee(s): TRICORD HOLDINGS LLC ; AUTONOMIX MEDICAL INC6420 BAYVIEW PLACEEXCELSIORMN55331US

Inventor(s): (std): SCHWARTZ ROBERT ; TOTH LANDY ; TOTH LANDY AARON

Inventor(s): SCHWARTZ ROBERTUS ; TOTH LANDYUS

Agent(s): SPRUSON AND FERGUSON; KIRBY EADES GALE BAKER; WILLIAMS DAVID JOHN; RYAN MASON AND LEWIS LLP; LEWIS WILLIAM E

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

14) Family number: 59338437 (US2015145676A)

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Title: ELECTRONIC SYSTEM WITH DYNAMIC LOCALIZATION MECHANISM AND METHOD OF OPERATION THEREOF

Abstract: An electronic system includes a storage interface configured to access a kinematic model for representing one or more motions of a carrier; a control unit, coupled to the storage interface, configured to determine an attachment location of an attachable device based on the kinematic model; and generate a device setting based on the attachment location for provisioning the attachable device.

Classifications:

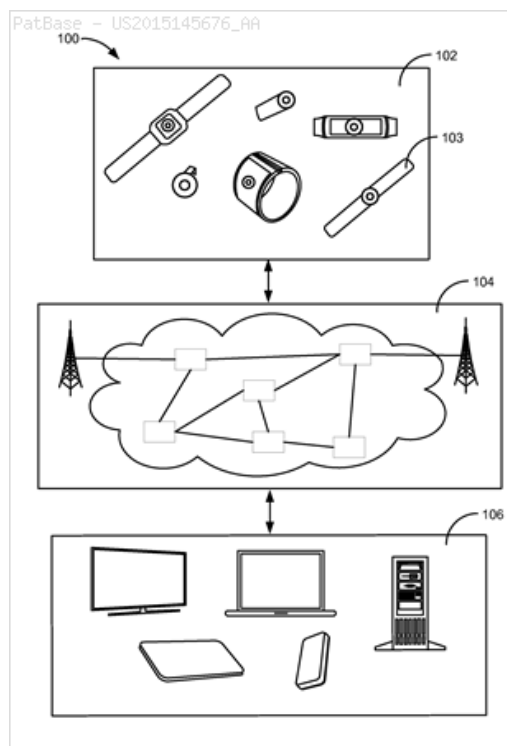
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G08B21/24 (Advanced/Invention);

A61B5/00 (Advanced/Non-invention)

CPC: A61B5/1123 A61B5/1112 A61B5/681 A61B5/6824 A61B5/6828 A61B5/6831 A61B5/6898

US: 340/539.32



Family:

Publication number	Publication date	Application number	Application date
US2015145676 AA	20150528	US20140518921	20141125
US9545221 BB	20170117	US20140518921	20141125

Priority:

US20130909521P 20131127 US20140045496P 20140903 US20140518921 20141125

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): PIERCE JEFFREY SCOTT ; ADHIKARI SURANJIT ; HIBINO STACIE LYNN

Agent(s): IP INVESTMENT LAW GROUP

Title: DEVICE, SYSTEM, AND METHOD FOR ASSESSING SLEEP DISORDERS

Abstract: Methods, systems, and devices for assessing breathing disorders such as apneas and hypopneas are provided. An airflow monitoring device can be positioned in thermal communication with respiratory airflow (nasal and/or oral airflow). The airflow monitoring device can include a thermistor configured to measure heating and cooling cycles of respiratory airflow and determine respiratory airflow velocity from analysis of thermistor cooling. This velocity, alone or in combination with other physiological parameters, such as blood oxygen saturation, respiration effort, heart rate, body movement, etc. can be employed to assess sleep disorders.

Classifications:

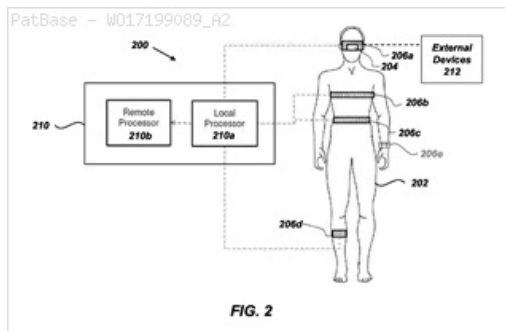
International (IPC 8-9): A61B5/08 A61M

A61M15/00 (Advanced/Invention);

A61M (Subclass/Invention)

CPC: A61B5/0205 A61B5/0878 A61B5/14551 A61B5/4818

A61B5/6819 A61B2560/0406



Family:

Publication number	Publication date	Application number	Application date
EP3457938 A2	20190327	EP20170798823	20170517
EP3457938 A4	20200108	EP20170798823	20170517
IL263070 A0	20181231	IL20170263070	20170517
WO17199089 A2	20171123	WO20171B00667	20170517
WO17199089 A3	20171228	WO20171B00667	20170517

Priority:

US20160337408P 20160517 WO20171B00667 20170517

Probable Assignee: DORMOTECH MEDICAL LTD

Assignee(s): (std): ABD EL KADER NASER ; DORMOTECH MEDICAL LTD ; OFER BARNEA ; SHLOMON ZUCKER

Inventor(s): (std): NASER ABD EL KADER ; BARNEA OFER ; ZUCKER SHLOMO ; SHLOMON ZUCKER ; ABD EL KADER NASER ; OFER BARNEA

Agent(s): HARRISON IP LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 57476507 (US2014352702A)

Title: SYSTEM AND METHOD FOR ALLEVIATING SLEEP APNEA

Abstract: A system and method for controlling a device to alleviate sleep apnea comprises determining whether a user of the device is asleep by a microcontroller operatively connected to the device. Using a sensor operatively connected to the microcontroller, it is determined whether a breathing anomaly of the user is detected while the user is asleep. An electromagnet operatively connected to the device generates an electromagnetic field to widen an airway of the user in response to detecting the breathing anomaly while the user is asleep.

Classifications:

International (IPC 8-9): A61B19/00 A61B5/00 A61F2/02 A61F5/56

A61M37/00 A61N1/00 A61N2/00 A61N2/02 (Advanced/Invention);

A61B5/024 A61B5/0488 A61B5/08 A61B5/1455

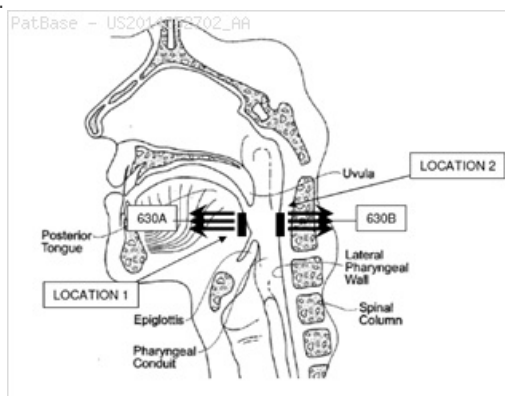
A61F2/48 (Advanced/Non-invention)

CPC: A61F2002/482 A61F5/56 A61B5/024 A61B5/0488 A61B5/08

A61B5/14551 A61B5/4809 A61B5/4818 A61B5/4836 A61B2562/0204

A61B2562/0219 A61N2/004 A61N2/02 A61F2/004

US: 128/848 128/863 600/12 607/42



Family:

Publication number	Publication date	Application number	Application date
US2014352702 AA	20141204	US20140463871	20140820
US8844537 BA	20140930	US20100903669	20101013
US9763767 BB	20170919	US20140463871	20140820

Priority:

US20100903669 20101013 US20140463871 20140820

Probable Assignee: ABRAMSON MICHAEL T

Assignee(s): (std): ABRAMSON MICHAEL T
Inventor(s): (std): ABRAMSON MICHAEL T
Agent(s): HOLLAND AND KNIGHT LLP; MICHAEL T

17) Family number: 67326535 (WO17185050A1)

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Title: SENSOR ASSEMBLIES; SENSOR-ENABLED GARMENTS AND OBJECTS; DEVICES AND SYSTEMS FOR DATA COLLECTION

Abstract: Components and assemblies for acquisition and analysis of data collected from sites such body surfaces, footwear and apparel, objects, accessories, and the like are directed to providing intermittent and/or continuous monitoring and reporting of conditions such as force, pressure, shear and other conditions, activity and/or environmental parameters at body locations and/or at an interface of a body location and an object. In one aspect, sensor assemblies comprise one or more sensor(s) and/or associated electronics associated with at least one non-conductive carrier layer. Electronic components including sensor acquisition systems (SAS) and dedicated electronics devices (DED) providing electronics components for signal conditioning, data collection, storage, analysis, feedback, communications and optional sensing capabilities are also described.

Classifications:

International (IPC 8-9): A43D1/02 A61B5/103

A61B5/11 (Advanced/Invention)

CPC: A61B5/1038 A61B5/6805 A61B2560/0456 A61B5/6807

A43B3/0005

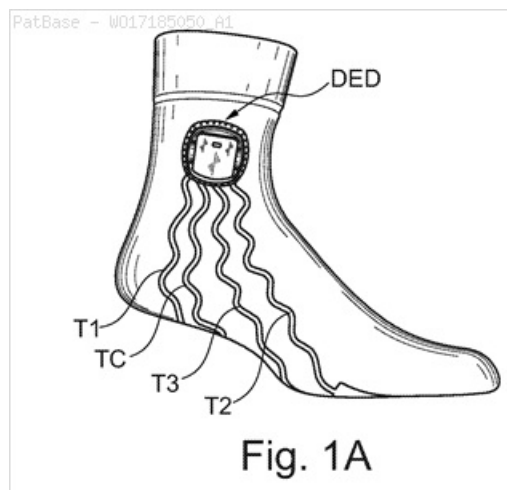


Fig. 1A

Family:

Publication number	Publication date	Application number	Application date
WO17185050 A1	20171026	WO2017US28976	20170421

Priority:

US20160325901P 20160421 US20170458795P 20170214

Probable Assignee: SENSORIA INC

Assignee(s): (std): SENSORIA INC

Inventor(s): (std): SMALL CHRIS ; COUDRIET BLAKE ; MACAGNO MAURIZIO ; REIF ROBERTO ; CARMAGNANI MARIA PIA ; SVAB DAVE ; KLINE WARREN ; KUEPER MATTHEW

Agent(s): SPECKMAN ANN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

18) Family number: 51947547 (US2012238832A)

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Title: GUIDING EXERCISE BASED ON FAT OXIDATION RATE

Abstract: Disclosed is An exercise guide apparatus comprising: a sensing unit configured to obtain a heart rate of a subject; a strength determining unit configured to determine a maximal oxygen uptake of the subject; an exercise intensity measurement unit configured to determine a current exercise intensity of the subject based on the heart rate obtained by the sensing unit; and an exercise guide unit configured to estimate a fat oxidation rate of the subject, determine whether or not fat oxidation of the subject occurs, generate guide information according to a result of the determination of the occurrence of fat oxidation, and display the guide information generated, wherein the fat oxidation rate is estimated based on a ratio of fat being oxidized at the current exercise intensity to the maximal oxygen uptake, and wherein the occurrence of fat oxidation is determined by checking whether or not the fat oxidation rate estimated is greater than a threshold.

Classifications:

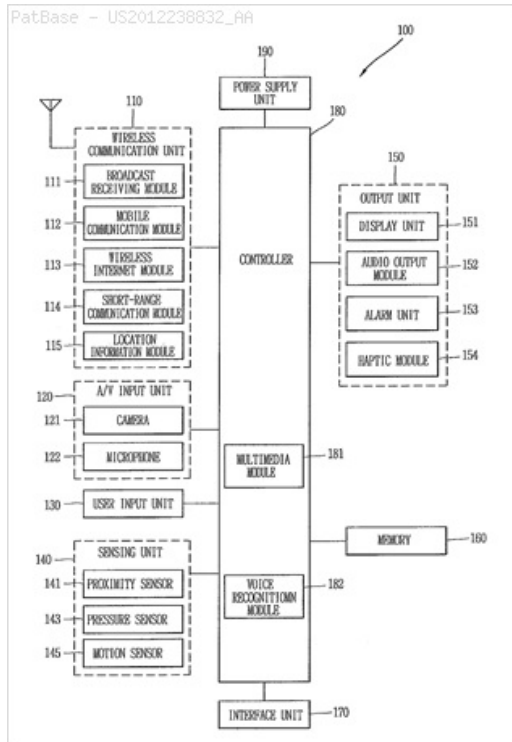
International (IPC 8-9): A61B5/00 A63B24/00 (Advanced/Invention)

CPC: A63B2230/062 A63B2230/208 G06F19/3481 A61B5/222

A61B5/0205 A61B5/4872

European: A61B5/0205 A61B5/22B2 A61B5/48W2

US: 482/1 482/9 482/901 600/301 601/2

**Family:**

Publication number	Publication date	Application number	Application date
US2012238832 AA	20120920	US20110047407	20110314
US8449435 BB	20130528	US20110047407	20110314

Priority:

US20110047407 20110314

Probable Assignee: LG ELECTRONICS**Assignee(s):** (std): HONG GYUSEOG ; HWANG YOUNGDON ; JANG SEUNGJIN ; KOH JEONGMEE ; LG ELECTRONICS ; LG ELECTRONICS INC**Inventor(s):** (std): KOH JEONGMEE ; JANG SEUNGJIN ; HWANG YOUNGDON ; HONG GYUSEOG**Agent(s):** BIRCH STEWART KOLASCH AND BIRCH LLP**19) Family number: 65494577 (US2018303414A)**

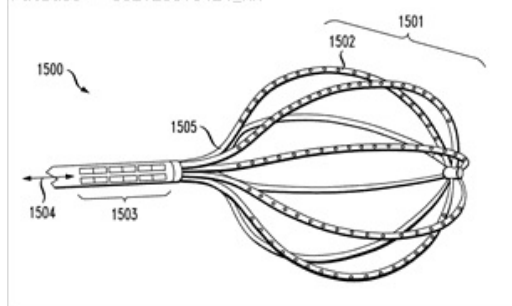
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Title: CONTROLLED AND PRECISE TREATMENT OF CARDIAC TISSUES

Abstract: Systems, devices, and methods for performing precise treatment, mapping, and/or testing of tissues are disclosed. Systems, devices, and methods for administering an agent to one or more a precise regions within a tissue mass are disclosed. Systems, devices, and methods for treating targeted regions within a tissue mass are disclosed. Systems, devices, and methods for identifying, localizing, monitoring neural traffic in the vicinity of, quantifying neural traffic in the vicinity of, and mapping neural traffic near targeted regions within a tissue mass are disclosed.

Classifications:

International (IPC 8-9): A61B18/14 A61B5/00 A61B5/0215 A61B5/04 A61B5/0408 A61B5/1473 A61N1/36 (Advanced/Invention)
CPC: A61B5/0059 A61B5/02028 A61B5/0205 A61B5/0215 A61B5/04012 A61B5/04085 A61B5/0422 A61B5/0456 A61B5/08 A61B5/1473 A61B5/201 A61B5/4848 A61B5/6858 A61B5/6869 A61B18/1492 A61B2018/00351 A61B2018/00577 A61B2018/00702 A61B2018/00839 A61B2505/05 A61B2562/0247 A61B2562/0261 A61B2576/023 A61B5/4839 A61N1/36135
US: 1/1 600/513

**Family:**

Publication number	Publication date	Application number	Application date
CN108882884 A	20181123	CN201680068094	20161020
EP3364869 A1	20180829	EP20160858201	20161020
EP3364869 A4	20191002	EP20160858201	20161020
US2018303414 AA	20181025	US20160769184	20161020
WO17070322 A1	20170427	WO2016US57875	20161020

Priority:

US20150244322P 20151021 US20160769184 20161020 WO2016US57875 20161020

Probable Assignee: AUTONOMIX MEDICAL INC**Assignee(s):** (std): AUTONOMIX MEDICAL INC ; TOTH LANDY**Inventor(s):** (std): TOTH LANDY ; SCHWARTZ ROBERT S

Agent(s): WILLIAMS DAVID JOHN; LEWIS WILLIAM E

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

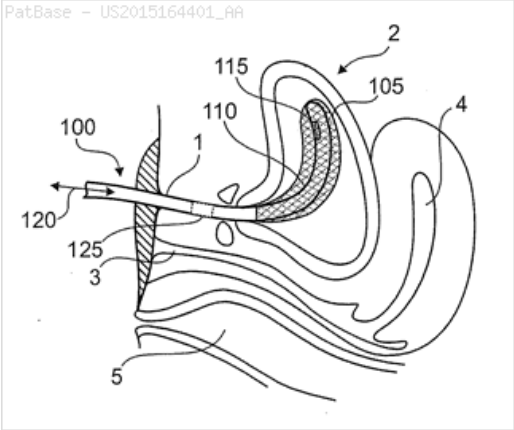
20) Family number: 55376634 (US2015164401A) © PatBase

Title: DEVICES, SYSTEMS, AND METHODS FOR DIAGNOSIS AND TREATMENT OF OVERACTIVE BLADDER

Abstract: A system for modulating bladder function is disclosed. A system for evaluating the electrophysiological function of a bladder is disclosed. Methods for performing a controlled surgical procedure on a bladder are disclosed. A system for performing controlled surgical procedures in a minimally invasive manner is disclosed. An implantable device for monitoring and/or performing a neuromodulation procedure on a bladder is disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/32 A61B18/00 A61B18/08 A61B18/14 A61B5/00 A61B5/04 A61B5/0408 A61B5/0478 A61B5/0488 A61B5/0492 A61B5/053 A61B5/11 A61B5/1459 A61B5/20 A61B90/00 A61M31/00 A61N1/36 A61N7/00 (Advanced/Invention); A61B17/00 A61B18/00 A61B90/00 (Advanced/Non-invention) **CPC:** A61B5/205 A61B5/4875 A61B5/0488 A61B5/11 A61B5/6848 A61B5/04001 A61N7/00 A61N1/36007 A61N1/36135 A61B5/04882 A61B5/0538 A61B5/1459 A61B5/202 A61B5/4836 A61B18/1485 A61B2017/00057 A61B2018/0016 A61B2018/0022 A61B2018/00226 A61B2018/00267 A61B2018/00517 A61B2018/00791 A61B2018/00839 A61B2018/1465 A61B2018/1475 A61B2090/065 **US:** 1/1 600/300 600/301 600/309 600/373 600/546 600/554 600/587 604/503 604/66 606/41



Family:

Publication number	Publication date	Application number	Application date
AU2013274158 AA	20150122	AU20130274158	20130613
AU2013274158 BB	20180510	AU20130274158	20130613
CA2876080 AA	20141208	CA20132876080	20130613
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IN00194CN2015 A	20160701	IN2015CN00194	20150109
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JP6335888 B2	20180530	JP20150517417T	20130613
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SG11201408219T A1	20150129	SG20141108219	20130613
US2015164401 AA	20150618	US20130407416	20130613
US2019110732 AA	20190418	US20180229004	20181221
US10206616 BB	20190219	US20130407416	20130613
WO13188640 A1	20131219	WO2013US45605	20130613

Priority:

US20120659463P 20120614 JP20150517417T 20130613 US20130407416 20130613
WO2013US45605 20130613 US20140407416 20141211 JP20180087942 20180501
US20180229004 20181221

Probable Assignee: AUTONOMIX MEDICAL INC

Assignee(s): (std): ROBINS DAVID ; SCHWARTZ ROBERT ; TOTH LANDY ; AUTONOMIX MEDICAL INC

Assignee(s): AUTONOMIX MEDICAL INC6420 BAYVIEW PLACEEXCELSIORMN55331US ; TRICORD HOLDINGS LLC

Inventor(s): (std): ROBINS DAVID ; SCHWARTZ ROBERT ; TOTH LANDY ; LANDY TOTH ; ROBERT SCHWARTZ ; DAVID ROBINS

Inventor(s): TOTH LANDYUS ; SCHWARTZ ROBERTUS ; ROBINS DAVIDUS

Agent(s): SPRUSON AND FERGUSON; KIRBY EADES GALE BAKER; WILLIAMS DAVID JOHN; YOSHIZAWA HIROSHI; OKABE YUZURU; RYAN MASON AND LEWIS LLP; LEWIS WILLIAM E

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