

Diego Gonzalez

Search history

Search 1: STAC=(Sport and heart and rate and pulse and sensor and monitor and wireless and GSM) (Results 0)

Search 2: TAC=(Sport and heart and rate and pulse and sensor and long and range) (Results 0)

Search 3: STAC=(Sport and heart and rate and pulse and sensor and long and range) (Results 1)

Search 4: (heart and rate and pulse and wireless and long and range) (Results 11606)

Search 5: STAC= (heart and rate and pulse and wireless and long and range) (Results 32)

US: 370/311 703/2

Title: MULTI-CHANNEL AND MULTI DIMENSIONAL SYSTEM AND METHOD

Abstract: An implanted system for treatment of human diseases by electric stimulation and/or electric blocking of the body tissues, comprising sensor and/or biosensor means for measuring variables in the body, processor means connected to the sensors and biosensors for processing the measured variables and for deciding in real time whether to apply an electric signal to the body tissues, and electrode means implanted at predefined locations and connected to the processor means, for applying the stimulation and/or electric blocking signals to the body tissues. A method for treatment of human diseases using an implanted system by electric stimulation and/or electric blocking of the body tissues, comprising: A. measuring variables in the body using implanted sensor and/or biosensor means; B. processing the measured variables for deciding in real time whether to apply an electric signal to the body tissues; C. applying the stimulation and/or electric blocking signals to the body tissues.

Classifications:**International (IPC 8-9):** A61N1/00 A61N1/18

A61N1/36 (Advanced/Invention);

A61N1/08 A61N1/20 A61N1/32 A61N1/372 (Advanced/Non-invention);

A61N1/00 A61N1/18 A61N1/36 (Core/Invention);

A61N1/08 A61N1/20 A61N1/32 A61N1/372 (Core/Non-invention);

A61B A61N (Subclass/Invention)

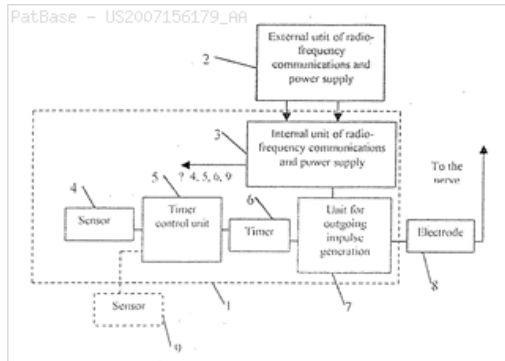
International (IPC 1-7): A61B A61N A61N1/00**CPC:** A61N1/36089 A61N1/08 A61N1/205 A61N1/326 A61N1/36007

A61N1/3601 A61N1/36082 A61N1/36114 A61N1/36117 A61N1/37205

European: A61N1/36 A61N1/36Z A61N1/36Z3E2 K61N1/08

K61N1/20P K61N1/32P K61N1/36B K61N1/36C K61N1/36Z

K61N1/36Z3E K61N1/36Z3J K61N1/36Z3I K61N1/372A

US: 607/2 607/2P**Family:**

Publication number	Publication date	Application number	Application date
IL154801 A0	20031031	IL20030154801	20030306
IL155827 A0	20031214	IL20030155827	20030509
US2007156179 AA	20070705	US20050220729	20050906
WO04078252 A2	20040916	WO2004IL00210	20040304
WO04078252 A3	20041111	WO2004IL00210	20040304

Priority:

IL20030154801 20030306 IL20030155827 20030509

Probable Assignee: KAROTIX INT LTD**Assignee(s):** (std): GOLDRAICH MARGANIT ; KARASHUROV S E ; KAROTIX INT LTD ; KAROTIX INTENAT LTD ; KAROTIX INTERNAT LTD ; S E KARASHUROV**Assignee(s):** KAROTIX INTENATIONAL LTD ; KAROTIX INTERNATIONAL LTD ; KARASHUROV SE**Inventor(s):** (std): S E KARASHUROV ; KARASHUROV S E**Inventor(s):** SE KARASHUROV ; KARASHUROV SE**Agent(s):** ANGENEHM LAW FIRM LTD**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: APPARATUS AND SYSTEM FOR MONITORING

Abstract: A monitoring device wearable by a person to be monitored, comprising: one or more sensing means for sensing cardio, respiratory, physiological and/or other information from the person; processing means for analysing the sensed information; memory means for storing the sensed and/or analysed information; and communication means for transmitting at least the analysed information. At least one waveform acquired from the sensed cardio, respiratory, physiological and/or other information is digitised in real time; analysis of the sensed and/or digitised information is performed in real-time and a welfare indication of the person computed in real-time; and the computed welfare indication of the person is transmitted by the communication means and/or stored in the memory means.

Classifications:

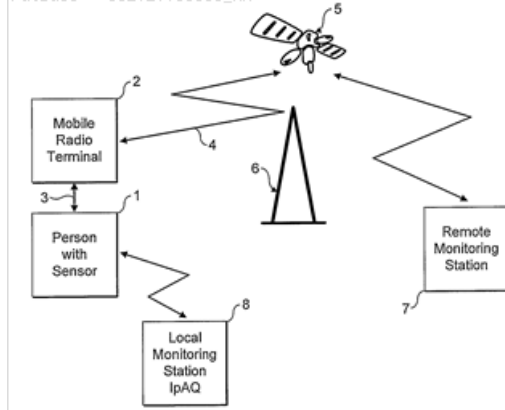
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European: A61B5/00B A61B5/00B2 A61B5/00B3B A61B5/00B3D A61B5/00B4 A61B5/00B8 A61B5/00B9 A61B5/02 A61B5/0402 A61B5/68B3B K61B5/0402 K61B5/0408 K61B5/053B K61B5/113B K61B5/72M8

US: 600/301 600/301P

PatBase - US2010063365_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2006235722 AA	20061019	AU20060235722	20060413
AU2011244904 AA	20111124	AU20110244904	20111031
AU2012244084 AA	20121108	AU20120244084	20121019
AU2016206288 AA	20160811	AU20160206288	20160720
AU2018206855 AA	20180809	AU20180206855	20180723
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EP2420185 A3	20120905	EP20110178307	20060413
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GB200906368 A0	20090520	GB20090006368	20050414
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GB2425181 B2	20100203	GB20050007486	20050414
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GB2458389 B2	20100324	GB20090006368	20050414
HK1115291 A1	20081128	HK20080108379	20080729
HK1115291 A3	20081128	HK20080108379	20080729
JP2009500047 T2	20090108	JP20080505959T	20060413
JP2013013747 A2	20130124	JP20120195692	20120906
JP2014237015 A2	20141218	JP20140152697	20140728
JP2016127966 A2	20160714	JP20160026972	20160216
JP2018149355 A2	20180927	JP20180100892	20180525
US2010063365 AA	20100311	US20060918347	20060413
US2013237772 AA	20130912	US20120648795	20121010
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US2017049338 AA	20170223	US20160222594	20160728
US2018140208 AA	20180524	US20170791823	20171024
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Priority:

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Probable Assignee: HIDALGO LTD

Assignee(s): (std): HIDALGO LTD ; HILDALGO LTD ; HOWARD PETER ; PISANI JUSTIN ; WARD STEPHEN ; CADE DANIEL

Assignee(s): DANIEL CADE ; HIDALGO LIMITED ; JUSTIN PISANI ; PETER HOWARD ; STEPHEN WARD

Inventor(s): (std): WARD STEPHEN ; STEPHEN WARD ; PISANI JUSTIN ; PETER HOWARD ; JUSTIN PISANI ; HOWARD PETER ; DANIEL CADE ; CADE DANIEL

Agent(s): GRIFFITH HACK; RIDOUT AND MAYBEE LLP; THOMSON NEIL DAVID ET AL; WIDDOWSON NICHOLAS

EDWARD; WILKINSON AND GRIST; FURUSAWA HIROSHI; SEMBA TSUKASA; TANAKA TATSUYA;
YOSHIDA MINORU; SMITH GAMBRELL AND RUSSELL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
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NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA
UG US UZ VC VN YU ZA ZM ZW

Title: METHOD OF TREATING A LIVING ORGANISM TO ACHIEVE A **HEART** LOAD REDUCTION, AND APPARATUS FOR CARRYING OUT THE METHOD

Abstract: An apparatus and method for treating a mammal or other living organism having a **heart** and a peripheral vascular system to achieve a **heart** load reduction, said organism having a **pulse rate** and a systolic pressure resulting from the action of the **heart**, the method and apparatus involving the steps of measuring the **heart** rhythm, producing pressure pulsations in the peripheral vascular system by a non-invasive or invasive method in synchronization with the **heart** rhythm in the counterpulsation mode and varying at least one parameter of an input system generating said pressure pulsations to produce an optimised reduction in at least one of said **pulse rate** and said systolic pressure and hereby a net reduction in said **heart** load, said **heart** load being a function of said **pulse rate** and said systolic pressure.

Classifications:

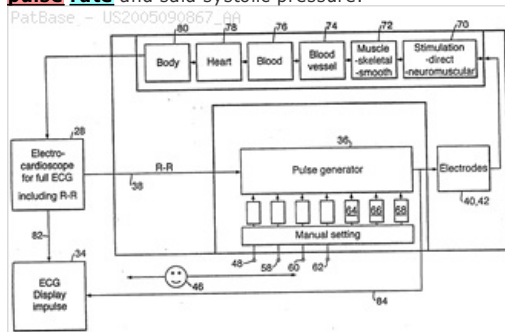
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A61N1/365 (Advanced/Invention);
A61N1/365 (Advanced/Non-invention)

International (IPC 1-7): A61B5/0245 A61B5/0402 A61B5/0456
A61N1/36 A61N1/365

CPC: A61N1/3625 A61N1/36114 A61N1/36017 A61N1/36014
A61N1/36564 A61N1/36592 A61B5/0245 A61B5/0456

European: A61B5/0245 A61B5/0456 A61N1/36 A61N1/36E
A61N1/36E2 A61N1/36Z3J

US: 600/16 600/16S 600/509 600/513 600/515 607/23 607/25 607/3
607/3P 607/9 607/9P



Family:

Publication number	Publication date	Application number	Application date
AT389436 E	20080415	AT20000117449T	20000811
AU200072756 A1	20010319	AU20000072756	20000814
AU200072756 A5	20010319	AU20000072756	20000814
BRPI0013470 A	20020430	BR2000PI13470	20000814
CN100358597 C	20080102	CN20008013482	20000814
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CN1768874 A	20060510	CN200510118665	20000814
DE60038341 D1	20080430	DE20006038341	20000811
DE60038341 T2	20090305	DE20006038341T	20000811
EP1078649 A1	20010228	EP20000117449	20000811
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ES2303812 T3	20080901	ES20000117449T	20000811
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MXPA02001791 A1	20040625	MX2002PA01791	20000814
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RU2291723 C2	20070120	RU20020107014	20000814
TW568769 B	20040101	TW20000116811	20000818
US2005090867 AA	20050428	US20040994981	20041119
US2007198064 AA	20070823	US20040578585	20041108
US6450942 BA	20020917	US19990378181	19990820
US6832982 BA	20041221	US20020069333	20020715
US8032207 BB	20111004	US20040578585	20041108
WO0113990 A1	20010301	WO2000EP07933	20000814
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Priority:

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US20020069333	20020715	EP20030025661	20031107	EP20040818130	20041108
WO2004EP12618	20041108	US20040578585	20041108	US20040994981	20041119

Probable Assignee: CARDIOLA LTD

Assignee(s): (std): CARDIOREST INT LTD ; CARDIOREST LTD ; CORAL LICENSING INT LTD ; CARDIOLA LTD ; CORAL LICENSING INTERNAT LTD ; LAPANASHVILI LARRY V ; STUERZINGER CHRISTIAN ; CARDIOREST INTERNAT LTD ; KORAL LAJSENSING INTERNEHSHNL ; LAPANASHVILI LARRY ; SULZER ALEXANDER G

Assignee(s): CORAL LICENSING INTERNATIONAL LTD ; CORAL LICENSING INTERNATIONAL LIMITED ; CORAL LICENSING INTIONAL ; KORAL LAJSENSING INTERNEHSHNL LTD ; CARDIOREST INTERNATIONAL LTD ; CARDIOREST INT ; CARDIOREST INTIONAL ; CORAL LICENSING INT

Inventor(s): (std): C STUEZINGER ; CHRISTIAN LAPANASHVILI LARRY V ; LAPANASHVILI L V ; LAPANASHVILI LARRY ; LAPANASHVILI LARRY V ; LAPANASHVILI LERIJ VALER JANOV ; LV LAPANASHVILI ; SHTJURTSINGER KRISTIAN ; STUERZINGER CHRISTIAN ; STUEZINGER C ; STURZINGER CHRISTIAN ; SULZER ALEXANDER G

Inventor(s): SULZER ALEXANDER ; LAPANASHVILI LERIJ VALER JANOVICH ; LAPANASHVILI LERIJ VALER'JANOVICH ; LARRY V LAPANASHVILI ; CHRISTIAN STUERZINGER ; CHRISTIAN STURZINGER ; L V LAPANASHVILI

Agent(s): MANITZ FINSTERWALD AND PARTNER GBR; TOWNSEND AND TOWNSEND AND CREW LLP; KILPATRICK TOWNSEND AND STOCKTON LLP

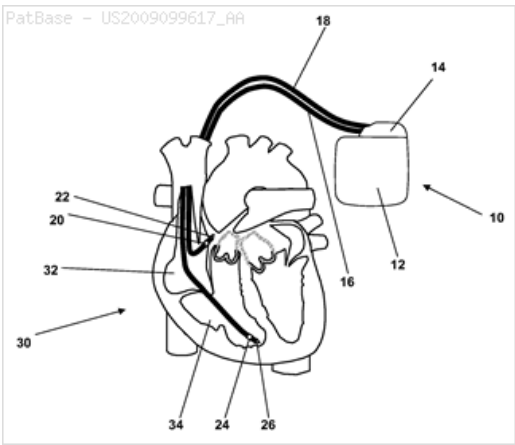
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PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU
ZA ZM ZW

Title: IMPLANTABLE HEART STIMULATOR PROVIDING LONG TERM CARDIAC MONITORING WITH AUTOMATIC NOTIFICATION

Abstract: An implantable medical device that continuously measures the patient's intracardiac ventricular impedance. Extracts cardiac performance information based on the intracardiac impedance, including amplitude, timing and variability of cardiac contraction function. The device records and analyses trends in the performance information. The device identifies changes, which exceed the selected threshold limits. In the event of an incipient crisis, the device transmits an alert message.

Classifications:
International (IPC 8-9): A61N1/365 (Advanced/Invention);
A61N1/365 (Core/Invention)
CPC: A61N1/362
European: A61N1/362
US: 600/300 607/17 607/18 607/18P



Family:

Publication number	Publication date	Application number	Application date
US2009099617 AA	20090416	US20070873292	20071016
US8649864 BB	20140211	US20070873292	20071016

Priority:
US20070873292 20071016

Probable Assignee: BIOTRONIK CRM PATENT AG
Assignee(s): (std): BIOTRONIK CRM PATENT AG ; GOOD XIN ; HASTINGS DAVID F ; LANG VOLKER
Assignee(s): BIOTRONIK SE AND CO KG
Inventor(s): (std): GOOD XIN ; HASTINGS DAVID F ; LANG VOLKER
Agent(s): DALINA LAW GROUP PC; JOSEPH J; ARC IP LAW PC

Title: RESPIRATION MOTION DETECTION AND HEALTH STATE ASSESMENT SYSTEM

Abstract: A wearable platform embodied in a belt or flattened patch-like central body shaped to conform to the abdomen provides physiological monitoring of soldiers during field operations or trauma victims at accident sites and makes health state assessments. The platform includes sensors for **heart rate**, body motion, respiration **rate** and intensity, and temperature and further contains a microprocessor and short **range** transmitter. The respiration sensor uses conductive ink in a novel manner. A small square of the ink is coated on an arched structure so that flexing of the arch either to increase or decrease its radius of curvature modifies the resistance of the structure. This is utilized to set the unstressed resistance of the arch structure and to allow a greater **range** of resistance values capable of measuring distortions in different deformations of the arch. The respiration sensor supplements the motion information provided by an accelerometer sensor.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/04 A61B5/08 A61B5/113 G06F19/00 (Advanced/Invention); A61B5/00 A61B5/04 A61B5/08 A61B5/11 (Core/Invention); A61B (Subclass/Invention)

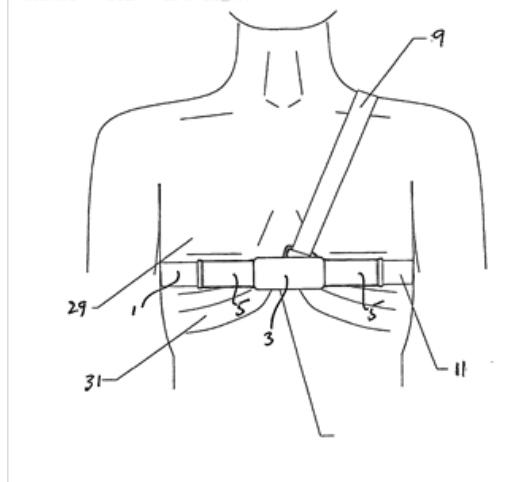
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European: A61B5/113B A61B5/68B3B K61B562/02L

US: 600/301 600/301P 600/484 600/534 600/534P

PatBase - US2007293781_AA



Family:

Publication number	Publication date	Application number	Application date
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US2009131759 AA	20090521	US20040595672	20041103
US2014249430 AA	20140904	US20130049001	20131008
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Priority:

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Probable Assignee: GENERAL HOSPITAL CORP

Assignee(s): (std): COLQUITT NHEDTI ; DEMPSEY MICHAEL ; GEN HOSPITAL CORP ; SIMS NATHANIEL ; WOLLOWITZ MICHAEL ; HICKCOX MATT ; GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF ARMY AS ; MASSACHUSETTS GEN HOSPITAL ; US ARMY

Assignee(s): GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF ARMY AS ; GOVERNMENT OF UNITED STATES REPRESENTED BY THE SECRETARY OF ARMY AS ; US GOVERNMENT SECRETARY FOR ARMY ; US ARMY MEDICAL RESEARCH AND MATERIEL COMMAND ; SECRETARY OF ARMY AS US GOV ; GENERAL HOSPITAL CORP

Inventor(s): (std): AMES JOHN S ; BULLER MARK J ; COLQUITT NHEDTI ; DEMPSEY MICHAEL ; HICKCOX MATT ; HOYT REED J ; SIMS NATHANIEL ; SIMS NATHANIEL M ; WOLLOWITZ MICHAEL

Agent(s): GOTTLIEB RACKMAN AND REISMAN PC; DRINKER BIDDLE AND REATH LLP

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

Title: ANAESTHESIA AND CONSCIOUSNESS DEPTH MONITORING SYSTEM

Abstract: Methods and systems incorporating non-linear dynamic (NLD) analysis such as entropy or other complexity analysis monitoring continuous or evoked signals from a biological subject are presented, where such a system comprises of processing steps including: a) the combination of a biological signal evoked as a result of patient stimulation presented to a biological subject and a non-linear analysis method capable of capturing temporal changes in signal order or regularity; b) any combination of processed evoked or continuous central nervous or peripheral physiological mechanisms b) a means to generate a measure indicative of a patient's level of anaesthesia and consciousness depth (A and CD), sedation or sleep/wake state. Methods and systems incorporating a NLD analysis means to improve the discrimination between different signals origins including any combination of: a) central nervous system (CNS), b) peripheral control or nervous system (PNS), c) autonomic control or nervous system (ANS), d) arousals, and e) artifacts.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/021
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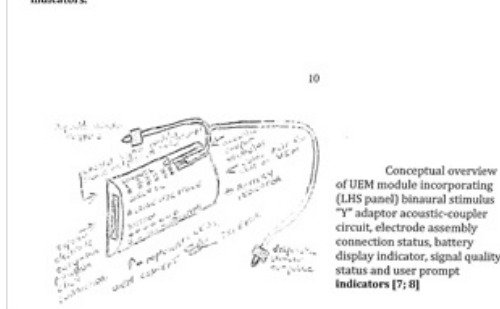
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K61B5/145N K61B5/72B2 K61B5/72K10B S06F19/34G

US: 600/301 600/544 600/546 600/559

The above illustration presents the system encompassing a reflective oximeter (8); embedded electrophysiological electrodes with re-hydration and abrasion pressure pad functions (1-6); stimulus (7) and integrated oximeter (8), and LED quality status indicators.

**Family:**

Publication number	Publication date	Application number	Application date
AU2010282150 AA	20110217	AU20100282150	20100813
AU2010282150 BB	20160331	AU20100282150	20100813
AU2016202435 AA	20160623	AU20160202435	20160418
AU2018201683 AA	20180405	AU20180201683	20180308
CN102946797 A	20130227	CN201080046375	20100813
CN102946797 B	20161207	CN201080046375	20100813
CN107095656 A	20170829	CN201610916369	20100813
EP2464283 A1	20120620	EP20100807816	20100813
EP2464283 A4	20171025	EP20100807816	20100813
IN02311CN2012 A	20130503	IN2012CN02311	20120313
JP2013501542 T2	20130117	JP20120524059T	20100813
JP5754054 B2	20150722	JP20120524059T	20100813
KR101751823 B1	20170629	KR20127006594	20100813
KR101854205 B1	20180504	KR20167010714	20100813
KR20120049337 A	20120516	KR20127006594	20100813
KR20160050092 A	20160510	KR20167010714	20100813
KR20180039762 A	20180418	KR20187009952	20100813
US2012277548 AA	20121101	US20100499895	20100813
WO11017778 A1	20110217	WO2010AU01050	20100813
WO11017778 A9	20121101	WO2010AU01050	20100813

Priority:

AU20090903805 20090814 AU20100282150 20100813 WO2010AU01050 20100813
CN201080046375 20100813 AU20160202435 20160418 AU20180201683 20180308

Probable Assignee: BURTON DAVID

Assignee(s): (std): BURTON DAVID

Inventor(s): (std): BURTON DAVID

Agent(s): BURTON DAVID; HUBICK KERRY DR; HANDS LEWIS ROGER; KIMURA TAKAHISA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 PE PG PH PL PT RO RS RU 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

Title: MULTI SENSOR DETECTION AND LOCK DISABLING SYSTEM

Abstract: A multi sensor detection and disabling lock system includes detector cases for holding interchangeable detectors that sample for chemical, biological and radiological compounds, agents and elements, with each detector case disposed in or upon the monitored product whereupon light alarm indicators (color coded) on the detector case light up when a specific compound or agent is detected whereupon the detector case transmits detection information to a monitoring computer terminal and transmits a signal to a lock disabler engaged to the product to lock or disable the product's lock thereby preventing untrained, unauthorized and unequipped individual's from gaining access and entry to the product, and also preventing further contamination of the area. An authorized individual resets the detection system, and the system's power source is electrical, battery or computer generated. In addition, the detection system can be interconnected to surveillance towers scanning detector cases disposed at seaport docks, freight depots and rail terminals for monitoring containers being prepared for shipment or sitting on docks for **long** periods of time.

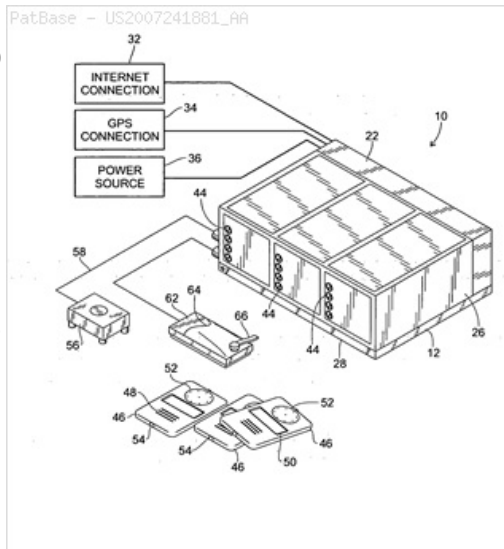
Classifications:

International (IPC 8-9): B60R25/00 B60R25/01 B60R25/04 B60R25/10 B60R25/102 B60R25/24 G01S19/24 G06F19/00 G06F7/00 G06F7/04 G07C9/00 G08B1/08 G08B13/06 G08B13/24 G08B15/00 G08B19/00 G08B21/00 G08B21/12 H04M1/00 H04M11/04 H04N7/18 H04Q1/00 H04W4/00 (Advanced/Invention)

CPC: G07C9/00158 B60R25/018 B60R25/04 B60R25/104 G08B25/009 B60R25/102 B60R2325/205 B60R2325/304 G07C2009/0092 G08B15/00 G08B21/12 G07C9/00563 B60R25/24 G08B13/2491 G07C9/00174 G07C9/00007 G07C9/00912 H04W4/80

European: B60R25/01M B60R25/04 B60R25/102 G07C9/00E20C G08B15/00 G08B21/12 L60R325/20D L60R325/30D S07C9/00C2D S07C9/00E20D

US: 1/1 340/426.11 340/426.12 340/426.120P 340/426.16 340/5.7 340/5.700S 340/521 340/521P 340/522 340/539.1 340/539.11 340/539.22 340/540 340/540S 342/357.07 342/357.31 342/357.310S 348/143 348/152 455/404.2 455/404.200S 455/556.1 455/556.100P 701/115 701/2 701/2P 701/2S

**Family:**

Publication number	Publication date	Application number	Application date
US2007241881 AA	20071018	US20060397118	20060405
US2009066489 AA	20090312	US20080155573	20080606
US2010159983 AA	20100624	US20100657356	20100120
US2011178655 AA	20110721	US20100802001	20100527
US2012086569 AA	20120412	US20110288065	20111103
US2014071274 AA	20140313	US20130021693	20130909
US2016027273 AA	20160128	US20150806988	20150723
US2017186259 AA	20170629	US20170530839	20170306
US7385497 BB	20080610	US20060397118	20060405
US7636033 BB	20091222	US20080155573	20080606
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US8531280 BB	20130910	US20110288065	20111103
US9096189 BB	20150804	US20130021693	20130909
US9589439 BB	20170307	US20150806988	20150723
USRE43891 E	20130101	US20110065837	20110331
USRE43990 E	20130212	US20110199853	20110909
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WO09149404 A3	20100311	WO2009US46489	20090605

Priority:

US20060397118 20060405	US20080155573 20080606	US20100657356 20100120
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US20170530839 20170306		

Probable Assignee: LARRY GOLDEN

Assignee(s): (std): GOLDEN LARRY ; LARRY GOLDEN

Inventor(s): (std): GOLDEN LARRY

Agent(s): INVENTORS NETWORK INC; SEAL THERESA M; THERESA M; HARDAWAY JOHN B III

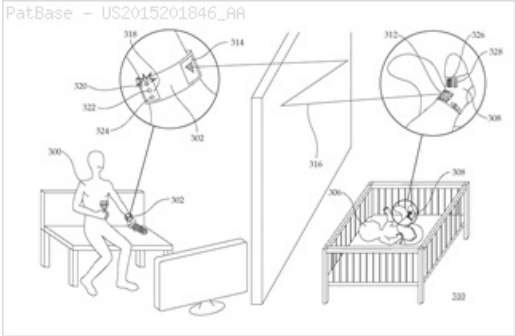
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ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

Title: DEVICE AND METHOD FOR PROVIDING INFORMATION INDICATIVE OF A STRESS SITUATION IN A HUMAN

Abstract: Disclosed are methods and devices for monitoring and sensing stress situations of a human, such as a baby, and in some embodiments informing parents or other caretakers of such situations.

Classifications:

International (IPC 8-9): A61B1/00 A61B5/00 A61B5/0205 A61B5/024 A61B5/04 A61B5/08 A61B5/1455 A61B5/16 A61B8/02 G01N33/49 G06F19/00 G08B19/00 G08B21/02 G08B21/04 (Advanced/Invention); A61B5/024 A61B5/053 G01N33/49 G08B21/02 (Advanced/Non-invention)
CPC: G08B21/0211 G08B19/00 G08B21/0453 A61B5/02416 A61B5/0531 A61B5/6803 A61B5/6807 A61B5/6808 A61B5/74 G01N33/4925 G06F19/3418 A61B5/7285 A61B5/746 A61B5/742 A61B5/0022 A61B5/024 A61B5/0533 A61B5/0205 A61B5/14551 A61B2503/04 A61B5/0826 A61B5/02438 A61B5/04 A61B5/14542 A61B5/165 A61B5/4818 A61B2560/0209 A61B5/1455 A61B5/0004 A61B5/0059 A61B5/6802 A61B5/6804 G06F19/34 G06F19/00
US: 600/301 600/547



Family:

Publication number	Publication date	Application number	Application date
■ CN104640493 A	20150520	CN201380048452	20130722
■ EP2877078 A1	20150603	EP20130822979	20130722
■ EP2877078 A4	20160518	EP20130822979	20130722
■ GB201213159 A0	20120905	GB20120013159	20120724
■ GB2504299 A1	20140129	GB20120013159	20120724
■ GB2504299 B2	20160914	GB20120013159	20120724
■ US2015201846 AA	20150723	US20130415806	20130722
■ WO14016761 A1	20140130	WO20131B56013	20130722

Priority:

GB20120013159 20120724 WO20131B56013 20130722

Probable Assignee: MED BRIGHT MEDICAL SOLUTIONS LTD

Assignee(s): (std): MAIERSHON DAVID ; MED BRIGHT MEDICAL SOLUTIONS LTD ; MEDBRIGHT MEDICAL SOLUTIONS LTD ; AKSTEIN ORI

Assignee(s): DAVID MAIERSHON ; ORI AKSTEIN

Inventor(s): (std): AKSTEIN ORI ; DAVID MAIERSHON ; MAIERSHON DAVID ; ORI AKSTEIN

Agent(s): HARRISON IP LTD; GUR EREZ

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

Title: VITAL PAD +

Abstract: A vital signs monitoring and communicating system comprises a strap worn by a patient which monitors vital signs and sends data **wirelessly** to a portable computing device in the form of a tablet. The tablet has means such as a hook, allowing the tablet to be hung from a bed, cot or backpack. The tablet incorporates an ultrasound scanner. The strap includes a pin which, when pressed, changes a colour of a display on the strap to indicate the patient suffers from allergies. The tablet includes applications for displaying and monitoring patient details and medical data such as name, date of birth, prescribed medication, medical history. The tablet includes fingerprint and retina scanners. The tablet and strap communicate via Bluetooth (RTM). The tablet and strap may be carried by paramedics for use in emergency situations (see figure 2). The system may be used for monitoring animals as well as humans.

Classifications:

International (IPC 8-9): A61B5/00 G08B21/02

G09F3/00 (Advanced/Invention);

A61B8/00 F16M13/02 G06F1/16 (Advanced/Non-invention)

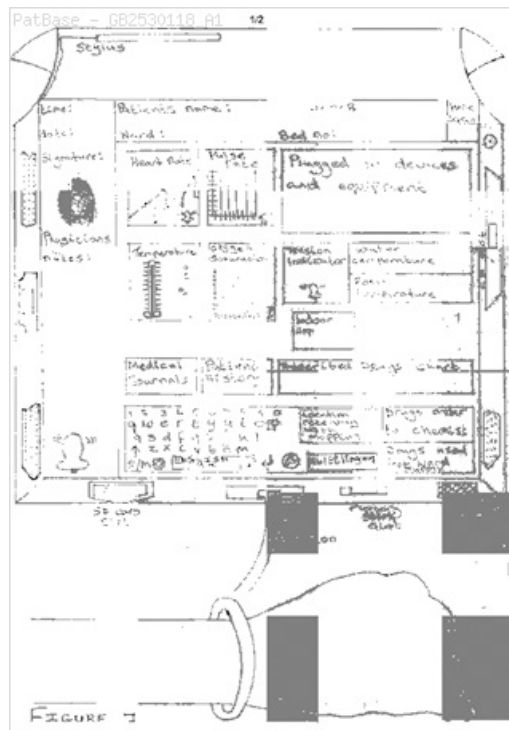
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A61B5/02108 A61B5/02438 A61B5/04325 A61B5/053 A61B5/1118

A61B5/14542 A61B5/4833 A61B5/681 A61B5/6831 A61B5/743

G06F19/00



Family:

Publication number	Publication date	Application number	Application date
GB201416087 A0	20141029	GB20140016087	20140911
GB201416661 A0	20141105	GB20140016661	20140922
GB201419514 A0	20141217	GB20140019514	20140911
GB201421025 A0	20150114	GB20140021025	20141127
GB201500399 A0	20150225	GB20150000399	20150112
GB2530106 A1	20160316	GB20140016661	20140922
GB2530118 A1	20160316	GB20150000399	20150112

Priority:

GB20140016087 20140911
GB20140021025 20141127

GB20140019514 20140911

GB20140016661 20140922

Probable Assignee:

BUCKLAND TRACY

Assignee(s): (std):

BUCKLAND TRACY

Assignee(s):

TRACY BUCKLAND

Inventor(s): (std):

BUCKLAND TRACY

Inventor(s):

TRACY BUCKLAND

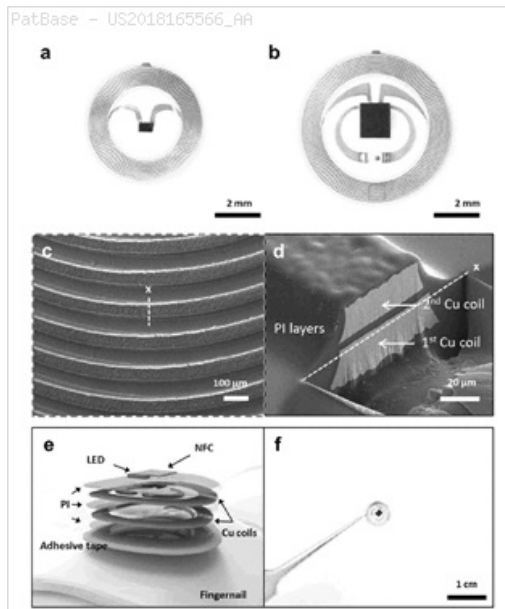
Title: MINIATURIZED ELECTRONIC SYSTEMS WITH **WIRELESS** POWER AND NEAR-FIELD COMMUNICATION CAPABILITIES

Abstract: The invention provides systems and methods for tissue-mounted electronics and photonics. Devices of some embodiments of the invention implement high performance, and optionally flexible, device components having miniaturized formats in device architectures that minimize adverse physical effects to tissue and/or reduce interfacial stresses when mounted on tissue surfaces. In some embodiments, the invention provides complementary tissue mounting strategies providing for mechanically robust and/or **long** term integration of the present devices, for example, via mounting on tissue surfaces that are not subject to rapid growth or exfoliation processes such as the fingernail, toenail, tooth or earlobe. Devices of the invention are versatile and support a broad **range** of applications for sensing, actuating and communication including applications for near field communication, for example, for password authentication, electronic transactions and biometric sensing.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/145 A61B5/1455 A61B5/1477 G01J1/02 G01J1/42 G01J5/10 G01T1/18 G01T1/26 G06F21/31 G06K19/02 G06K19/07 G06K19/077 H01L27/148 (Advanced/Invention)

CPC: A61B5/0002 A61B5/0075 A61B5/14552 A61B5/6826 A61B2562/028 G06K19/0716 G06K19/0723 G01J1/42 G01J5/10 A61B2560/0214 A61B2560/0242 A61B2562/0271 G01J1/429 G06K19/07722 A61B6/00 G01T1/00 H02J50/30



Family:

Publication number	Publication date	Application number	Application date
AU2016270805 AA	20161208	AU20160270805	20160601
AU2016270807 AA	20161208	AU20160270807	20160601
BR112017025609 A2	20180807	BR20171125609	20160601
BR112017025616 A2	20180807	BR20171125616	20160601
CN107851208 A	20180327	CN201680044817	20160601
CN107923988 A	20180417	CN201680045183	20160601
EP3304130 A1	20180411	EP20160804359	20160601
EP3304430 A1	20180411	EP20160804361	20160601
JP2018524566 T2	20180830	JP20170561837T	20160601
JP2018524677 T2	20180830	JP20170561849T	20160601
KR20180033468 A	20180403	KR20177037860	20160601
KR20180034342 A	20180404	KR20177037861	20160601
US2018165566 AA	20180614	US20160578602	20160601
US2018274973 AA	20180927	US20160578617	20160601
WO16196673 A1	20161208	WO2016US35331	20160601
WO16196675 A1	20161208	WO2016US35336	20160601

Priority:

US20150169308P 20150601	US20150169983P 20150602	US20150218345P 20150914
US20150218321P 20150914	US20160578602 20160601	US20160578617 20160601
WO2016US35331 20160601	WO2016US35336 20160601	

Probable Assignee: UNIV ILLINOIS

Assignee(s): (std): BOARD OF TRUSTEES OF UNIV OF ILLINOIS ; BROWN GREGORY ; UNIV ILLINOIS

Assignee(s): BOARD OF TRUSTEES OF UNIVERSITY OF ILLINOIS

Inventor(s): (std): ANTHONY R BANKS ; BANKS ANTHONY R ; BROWN GREGORY ; GREGORY BROWN ; JEONGHYUN KIM ; JOHN A ROGERS ; KIM JEONGHYUN ; ROGERS JOHN A ; WANG XINYING ; XINYING WANG

Inventor(s): GREGORYBROWN

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; TER MEER STEINMEISTER AND PARTNER; MARSHALL SHIREEN R 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 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

Title: ORAL SENSOR ALERTING AND COMMUNICATION SYSTEM AND DEVELOPERS' TOOL KIT

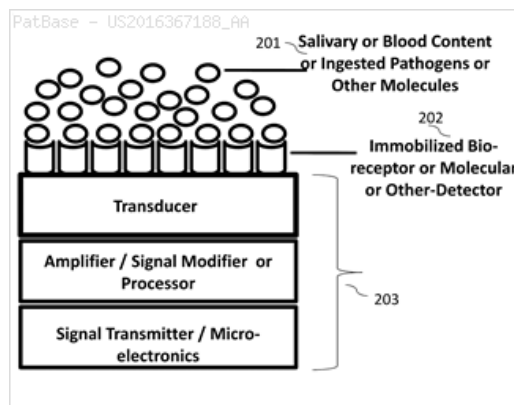
Abstract: A developers' tool kit including devices and components configured to be inserted or imbedded in an oral cavity or integrated body sensor of an animal or human. The device includes a receptacle for one or more sensors which is further configured to interface a plurality of one or more customizable functions and applications. The functions including, but not limited to, auxiliary body biosensors, data collections, alerting, tracking, reporting, communication network, preset biometric **range**, preventive-diagnostics to enhance health, and optimize athletic performance. The system includes technology-mining, data-mining, kinematics, integration, multi-media, reporting, and other platforms, analytics and diagnostics to accurately determine health and performance referred to as Oral Sensor Alert and Communication (OSAC). The invention provides innovative information systems, methods and diagnostic tool kits and platforms involving the aforescribed devices from information available from oral biomarkers and other sources accessed using sensors in the oral cavity and auxiliary devices.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/024 A61B5/07 A61B5/08 A61B5/145 A61J17/00 G08B23/00 (Advanced/Invention)

CPC: A61B5/682 A61B5/076 A61J17/003 A61J17/006 A61B2503/40 A61B5/0022 A61B5/01 A61B5/0205 A61B5/024 A61B5/02438 A61B5/0816 A61B5/11 A61B5/14532 A61B5/14542 G16H40/67 G06F19/00 A61J17/007

US: 600/302

**Family:**

Publication number	Publication date	Application number	Application date
US2016367188 AA	20161222	US20150850713	20150910
WO16204937 A1	20161222	WO2016US33698	20160523

Priority:

US20150180841P 20150617 US20150850713 20150910

Probable Assignee: SAIGH MICHAEL M

Assignee(s): (std): MALIK BELA ; SAIGH MICHAEL M

Inventor(s): (std): MALIK BELA ; SAIGH MICHAEL ; SAIGH MICHAEL M

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

Title: VITAL SIGNS MONITOR USING AN OPTICAL EAR-BASED MODULE

Abstract: The invention provides a system for measuring blood pressure from a patient that includes: 1) an optical module configured to be worn on the patient's ear and comprising at least one optical source and a photodetector; 2) a calibration source configured to make a blood pressure measurement; and, 3) a processing module configured to: i) receive a first signal from the optical module; ii) receive a second signal from the calibration source; iii) process the first and second signals to generate a calibration table; and iv) receive a third signal from the optical module and compare it to the calibration table to determine the patient's blood pressure.

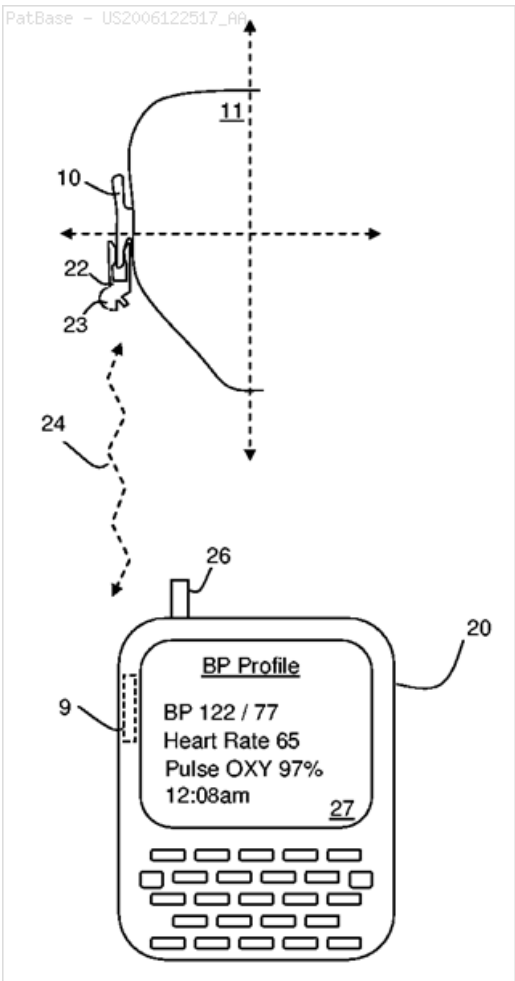
Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 (Advanced/Invention); A61B5/00 A61B5/02 (Core/Invention)

CPC: A61B5/021 A61B5/14552 A61B5/1495 A61B5/6814 A61B5/6816

European: A61B5/021 A61B5/1455N2 A61B5/1495 A61B5/68B2B A61B5/68B2B1B

US: 600/323 600/323S 600/485 600/485P 600/500



Family:

Publication number	Publication date	Application number	Application date
US2006122517 AA	20060608	US20040904971	20041207
US7658716 BB	20100209	US20040904971	20041207
WO06063084 A2	20060615	WO2005US44322	20051207
WO06063084 A3	20070308	WO2005US44322	20051207

Priority:

US20040904971 20041207

Probable Assignee: TRIAGE WIRELESS INC

Assignee(s): (std): BANET MATTHEW J ; MORRIS BRETT G ; TRIAGE WIRELESS INC ; VISSER HENK

Assignee(s): BANET DR MATTHEW ; BANET DR MATTHEW JOHN

Inventor(s): (std): MORRIS BRETT G ; VISSER HENK ; VISSER HENK II ; MORRIS BRETT GEORGE ; BANET MATTHEW JOHN ; BANET MATTHEW J

Inventor(s): MORRIS BRETT ; BANET MATTHEW

Agent(s): TRIAGE WIRELESS INC MATTHEW JOHN BANET; WILMER CUTLER PICKERING HALE AND DORR LLP

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

Title: SMALL-SCALE, VITAL-SIGNS MONITORING DEVICE, SYSTEM AND METHOD

Abstract: The invention provides a monitoring device featuring: 1) a housing having a first surface; 2) a sensor pad, positioned on the first surface, that includes a first LED emitting red light, a second LED emitting infrared light, and a photodetector; 3) a data-processing circuit that analyzes a signal from the photodetector to generate a blood pressure value; and 4) means for transmitting the blood pressure value to an external device.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/0205

A61B5/021 A61B5/0245 A61B6/00 (Advanced/Invention);

A61B5/00 A61B5/0408 (Advanced/Non-invention);

A61B5/00 A61B5/02 A61B5/0205 (Core/Invention)

International (IPC 1-7): A61B5/00 A61B5/02

CPC: A61B5/002 A61B5/0022 A61B5/02055 A61B5/14551

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A61B5/02116 A61B5/0002 A61B5/0205 A61B5/021 A61B5/02125

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A61B2560/0412 G06F19/00 G16H40/67

European: A61B5/00B A61B5/0205 A61B5/021 A61B5/021B4

A61B5/11M A61B5/1455 A61B5/1455N A61B5/68B2B K61B5/00B

K61B5/0205B K61B5/022A K61B5/024F K61B5/0408 K61B5/1455

K61B5/1455N2 K61B5/145G K61B560/02D K61B560/04B2

K61B562/06

US: 128/903 128/903S 128/904 128/904S 128/920 128/920S

600/300 600/301 600/301P 600/316 600/316S 600/323 600/323S

600/324 600/483 600/483S 600/485 600/485P 600/485S 600/500

600/500S 600/503 600/504 600/506 600/513 600/513P

PatBase - US2005228244_AA

Patent Application Publication Oct. 13, 2005 Sheet 1 of 2 US 2005/0228244 A1

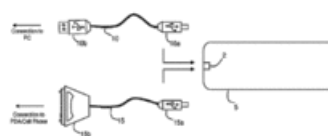
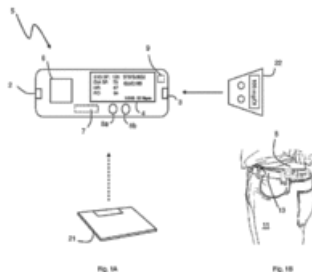


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20040709014 20040407	US20040711492 20040921	US20040967511 20041018
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US20070932147 20071031		

Probable Assignee: TRIAGE DATA NETWORKS INC

Assignee(s): (std): BANET MATTHEW J ; TRIAGE DATA NETWORKS ; TRIAGE WIRELESS INC

Assignee(s): TRIAGE DATA NETWORKS INC ; SOTERA WIRELESS INC

Inventor(s): (std): JAIME MANUEL ; MORRIS BRETT ; VISSER HENK ; VISSER HENK II ; ZHOU ZHOU ; MURAD ROBERT ; MORRIS BRETT G ; JAIME MANUEL E ; DRIVER BRUCE ; BANET MATTHEW J

Inventor(s): JAIME MANUEL EDUARDO ; BANET MATTHEW ; BANET MATTHEW JOHN ; MORRIS BRETT GEORGE

Agent(s): MATTHEW J BANET; MORRISON ULMAN; TRIAGE WIRELESS INC MATTHEW JOHN BANET

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

Title: METHOD AND APPARATUS FOR PROVIDING INTEGRITY CHECK DATA

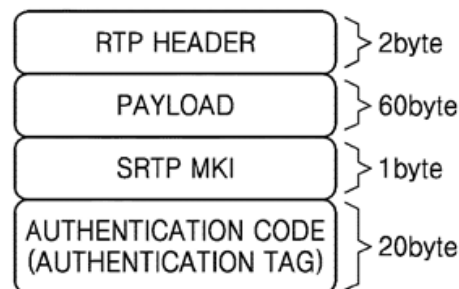
Abstract: Provided is a method of a device transmitting integrity check data. The method includes establishing a voice communication channel with at least one other device, determining a size of a packet to be transmitted through the established voice communication channel based on a bandwidth of the communication channel, detecting a user's voice from an input signal, selectively inserting integrity check data for checking the integrity of data to be transmitted into the packet based on a result of the detection, and transmitting the packet to the at least one other device.

Classifications:

International (IPC 8-9): G09C1/00 H04L1/00 H04L12/70 H04L29/06
H04L29/08 H04L9/32 H04L9/36 H04M11/00
H04M3/26 (Advanced/Invention)

CPC: H04L29/08 H04L9/3236 H04L2209/34 H04L9/32 Y10S707/99939
H04L67/04 H04L67/12 H04L69/22 H04L63/0428 H04L63/06
H04L63/123 H04L69/324 H04L1/00 H04L63/166 H04L65/602
H04L65/1069 H04L65/608 H04L65/80

PatBase - US2017331837_AA



Family:

Publication number	Publication date	Application number	Application date
■ CN105681271 A	20160615	CN201510896372	20151208
■ EP3231130 A1	20171018	EP20150867568	20151126
■ EP3231130 A4	20180221	EP20150867568	20151126
■ JP2018509786 T2	20180405	JP20170528189T	20151126
■ KR20160069432 A	20160616	KR20140175378	20141208
■ US2017331837 AA	20171116	US20150531590	20151126
■ WO16093516 A1	20160616	WO2015KR12785	20151126

Priority:

KR20140175378 20141208 WO2015KR12785 20151126

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

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

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): HAN GIL MOON ; HYUN WOOK KIM ; JAE EUN KANG ; KANG JAE EUN ; KIM HYUN WOOK ; LEE NAM SUK ; MOON HAN GIL ; NAM SUK LEE ; SOHN YU MI ; YU MI SOHN

Agent(s): GULDE AND PARTNER; ITOH TADASHIGE; ITOH TADAHIKO; OHNUKI SHINSUKE; YPLEE MOCK AND PARTNERS

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 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

Title: SYSTEMS AND METHODS FOR VITAL SIGNS MONITORING WITH EAR PIECE

Abstract: A vital signs monitoring system, the system including: (a) an ear device including: a curved body adapted to a shape of an ear, an upper end, a lower end, two opposite facing sides, a first side adapted to be proximal a skull and a second side adapted to be proximal an earlobe, the ear device including: (i) a temperature sensor adapted to sense a body temperature from a depression between a lower jawbone and skull; and (b) a control system, including a processor and a memory, configured and operable to control operation of the ear device, to collect signals received from at least one sensor including the temperature sensor, to process the signals to provide medically significant results.

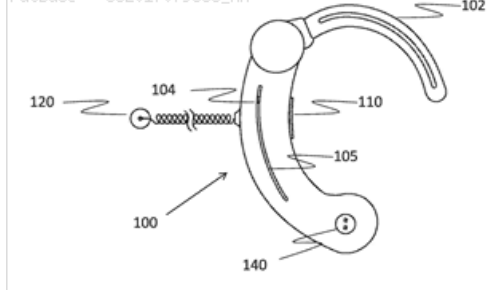
Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/024 A61B5/0404 A61B5/0408 A61B5/1455 A61B5/20 A61N1/36 (Advanced/Invention)

CPC: A61B5/0086 A61B5/4848 A61B5/0404 A61B5/04085 A61B5/04087 A61B5/4836 A61B5/02416 A61B5/6815 A61B5/0008 A61B5/0024 A61B5/02055 A61B5/021 A61B5/14552 A61B2562/222 A61B5/01 A61B5/024 A61B5/0402 A61B5/14551 A61B5/6816 A61N1/0456 A61N1/0484 A61N1/36021 A61N1/36025 A61N1/37252 A61B5/0006 A61B5/02438 A61B5/20

US: 600/301

PatBase - US2017079586_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016210792 AA	20160804	AU20160210792	20160126
BR112017015881 A2	20180327	BR20171115881	20160126
CN107405085 A	20171128	CN201680004569	20160126
EP3250118 A1	20171206	EP20160742887	20160126
EP3250118 A4	20180919	EP20160742887	20160126
JP2018507080 T2	20180315	JP20170557516T	20160126
KR20170120114 A	20171030	KR20177023630	20160126
US2017079586 AA	20170323	US20160026258	20160126
WO16120870 A1	20160804	WO20161L50084	20160126

Priority:

US20150107528P 20150126 US20160026258 20160126 WO20161L50084 20160126

Probable Assignee: LG MEDICAL INNOVATIONS LTD

Assignee(s): (std): G MEDICAL INNOVATIONS HOLDINGS LTD ; GEVA NIR ; GEVA YACOV

Assignee(s): LG MEDICAL INNOVATIONS LTD

Inventor(s): (std): GEVA NIR ; GEVA YACOV ; NIR GEVA ; YACOV GEVA

Agent(s): IP SOLVED ANZ PTY LTD; DE BORTOLI EROS; ASAMURA PATENT OFFICE PC; FRIEDMAN MARK

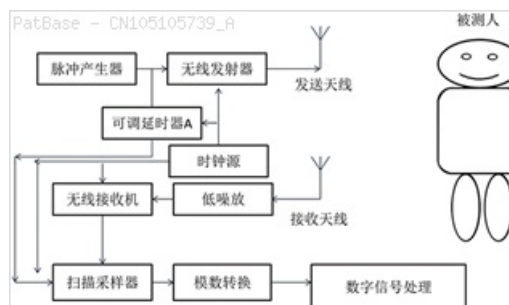
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Title: SHORT-DISTANCE **WIRELESS HEART RATE** AND **HEART RATE** VARIABILITY DETECTION METHOD

Abstract: The present invention discloses a short-distance **wireless heart rate** and **heart rate** variability detection method. Radio waves of ultra wide band **pulse** signals are adopted to directly radiate the chest part of a human body and are reflected by the surface of the chest part and cavity walls of inner organs; return waves are received by a receiving antenna, pass a low noise amplifier and a **wireless** receiver in turn, and then enter into a scanning type sampling apparatus controlled by 512 different time delay devices; at some time point, the scanning type sampling apparatus acquires return wave amplitude data of 512 distance points around a center position of some return wave transmitting distance; the center position of the return wave transmitting distance corresponding to the data is received through an adjustable time delay device; reflection data of the return waves is continuously acquired, thus to obtain a return wave amplitude signal sequence changing with time; and after analog-digital conversion, a treatment is carried out in a digital signal processing method combining short-time correlation and adjustable wavelet filter, thus to recover periodic fluctuation signals of a **heart** and obtain a **heart rate** and **heart rate** variability. The detection method is wide in application **range**, high in accuracy, and suitable for **long**-time monitoring.

Classifications:

International (IPC 8-9): A61B5/0245 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN105105739 A	20151202	CN201510151330	20150401

Priority:

CN201510151330 20150401

Probable Assignee: SHANGHAI MEGAHEALTH INFORMATION TECHNOLOGY CO LTD

Assignee(s): (std): SHANGHAI MEGA HEALTH INFOTECH CO LTD ; SHANGHAI MEGAHEALTH INFORMATION TECHNOLOGY CO LTD

Assignee(s): SHANGHAI MEGAHEALTH INFORMATION TECHNOLOGY CO

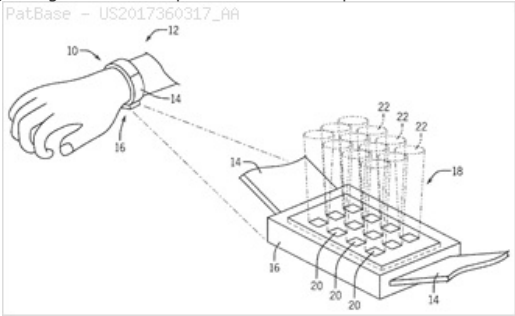
Inventor(s): (std): HU JUN

Title: **WIRELESS** VIBROMETER WITH ANTENNA ARRAY

Abstract: A **wireless** vibrometer employs an antenna array to significantly boost the signal-to-noise ratio of faint received signals twin small objects vibrating at acoustic frequencies. This technique may be used to provide an improved physiological monitor (such as a **pulse** detector) or for **long-range** eavesdropping using the emitted power from a cell phone or the like.

Classifications:

International (ipc 8-9): A61B5/024 G10K11/175
H04K3/00 (Advanced/Invention)
CPC: A61B5/02444 H04K3/25 A61B5/05 G01H11/00



Family:

Publication number	Publication date	Application number	Application date
US2017360317 AA	20171221	US20160185692	20160617

Priority:

US20160185692 20160617

Probable Assignee: WISCONSIN ALUMNI RES FOUND

Assignee(s): (std): WISCONSIN ALUMNI RES FOUND ; WISCONSIN ALUMNI RES FOUNDATION

Assignee(s): WISCONSIN ALUMNI RESEARCH FOUNDATION ; NATIONAL SCIENCE FOUNDATION

Inventor(s): (std): WANG SHU ; WEI TENG ; ZHANG XINYU ; ZHOU ANFU

Title: A DEVICE TO PREVENT CRIMES AGAINST WOMEN

Abstract: The present invention is designed to provide personal security that can prevent crimes against women. In its various embodiments incorporating e-nose and microlab it alerts designated entities in real time by continuously monitoring, detecting and forwarding data on presence of explosives, warfare and other chemicals and on human bio-physiological parameters to summon emergency medical assistance. The device uses the recent advances in Very Large Scale Integration (VLSI) and nanotechnology and incorporates in its various embodiments: one or more microprocessors (microcontrollers), Global Positioning System receiver, transmitters and receivers that provide short **range** and **long range** communication capability, and memory. In addition it may incorporate in its various embodiments "e-nose" and microlab for detecting presence of explosive substances and chemical warfare agents; the device works in conjunction with bio-sensors that monitor a person's vital signs and bio-physiological parameters. The system comprises a plurality of in situ local controllers having a microprocessor and a coordinated plurality of conspicuous and clandestine digital video cameras for continuously producing digital audio and visual signals, uplinking such signals via a suitable **wireless** telecommunications device to a satellite, general packet radio service, an ad-hoc network, the internet, intranet or extranet, and then downlinking these signals to a plurality of control centers for recording and analysis thereof. Uplinking of these digital signals may occur continuously or may be activated by a manual or predefined trigger event. Preventive or remedial action can be taken immediately when perturbations from normal behavior or activities are observed in the recorded audio and visual signals.

Classifications:

International (IPC 1-7): G08B21/00 G08B5/40

Family:

Publication number	Publication date	Application number	Application date
IN01812MU2006 A	20070817	IN2006MU01812	20061031

Probable Assignee: KIRIT J SHETH

Assignee(s): KIRIT J SHETH

Inventor(s): KIRIT J SHETH

Title: LEADLESS CARDIAC PACEMAKER SYSTEM FOR USAGE IN COMBINATION WITH AN IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR

Abstract: A cardiac pacing system comprising one or more leadless cardiac pacemakers configured for implantation in electrical contact with a cardiac chamber and configured to perform cardiac pacing functions in combination with a co-implanted implantable cardioverter-defibrillator (ICD). The leadless cardiac pacemaker comprises at least two leadless electrodes configured for delivering cardiac pacing **pulses**, sensing evoked and/or natural cardiac electrical signals, and bidirectionally communicating with the co-implanted ICD.

Classifications:**International (IPC 8-9):** A01N1/00 A61B5/04 A61B5/0428

A61M25/06 A61N1/00 A61N1/04 A61N1/05 A61N1/08 A61N1/36

A61N1/362 A61N1/365 A61N1/368 A61N1/37 A61N1/372 A61N1/375

A61N1/378 A61N1/39 H04B13/00 (Advanced/Invention);

A61M25/06 A61N1/05 A61N1/365 A61N1/368 A61N1/372

H04B13/00 (Advanced/Non-invention);

A61B5/0402 A61N1/00 A61N1/05 A61N1/36 A61N1/362 A61N1/365

A61N1/368 (Core/Invention);

A61N1/372 (Core/Non-invention)

CPC: A61N1/3706 A61N1/3962 A61N1/0587 A61M25/0662

A61N1/056 A61N1/3627 A61N1/36514 A61N1/36542 A61N1/372

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European: A61N1/05N A61N1/362C A61N1/365B A61N1/368

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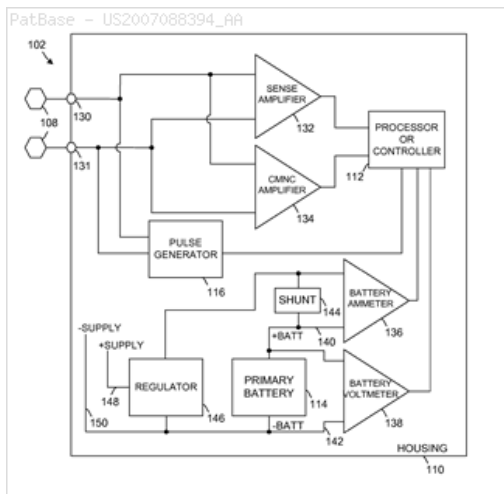
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607/21 607/21P 607/21S 607/27 607/28 607/30 607/30P 607/30S

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**Family:**

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CN101578067 A	20091111	CN200680047244	20061013
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Priority:

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Probable Assignee: PACESETTER INC

Assignee(s): (std): CICIARELLI TIMOTHY E ; JACOBSON PETER M ; NANOSTIM INC ; OSTROFF ALAN ; PACESETTER INC

Assignee(s): PACESETTER INC SUNNYVALE ; NANOSTIM INC SUNNYVALE ; NOSTIX LLC

Inventor(s): (std): OSTROFF ALAN ; JACOBSON PETER M ; CICIARELLI TIMOTHY E

Inventor(s): JACOBSON PETER M CHANHASSEN ; JACOBSON PETER

Agent(s): HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; ZIJLSTRA ROBERT WIEBO JOHAN;
HOFFMANN EITLE; AROS PATENT AB; OSHIMA AND PARTNERS; KOESTNER BERTANI LLP; SHAY GLENN
LLP; STEVEN M; THERESA; THERESA A; KELLEHER KATHLEEN R 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 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
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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

Title: FAKULTATIVES PATIENTENWARNSYSTEM (FPWS) TELEMETRIEINDUKTOR Optional PATIENT ALERT SYSTEM (FPWS) TELEMETRY INDUCTOR (Machine translation)

Abstract: Source: DE102017009139A1 [DE] Implantierbare Devices werden direkt oder indirekt mit einem fakultativen Patientenwarnsystem (fPWS) Telemetrieinduktor ausgestattet. Das fPWS wart den Patienten in kritischen Situationen. Die bekannte Telemetrie wird ergaenzt, relevante Events werden sofort kommuniziert. Vernetzungen mit Life-Westen, externen Sensoren und externen Infusionspumpensystemen werden einbezogen. Die Devices sind aktiv und kommunizieren direkt mit dem muendigen Patienten. Die hoehere Therapiesicherheit verbessert die Adhaerenz. Pharmakotherapie kann gesteuert werden. Fuer die Vernetzung aller implantierten Devices wird ein ggf. implantierbares Master-Device als sinnvolle Zentraleinheit, ausgestattet mit dem fPWS, vorgeschlagen. Sie koennen mit allen Telemetriesystemen kommunizieren. Externe Kommunikationssysteme (z. B. MedPhone) sollen dem Patienten tragbar zur Verfuegung stehen. Bis zur Kommunikationsebene II ist eine Internetverbindung nicht erforderlich, es bestehen keine Gefahren durch Hackerangriffe. Die Kommunikationsebenen III (Home-Monitoring) und IV (Induktion der Rettungskette einschliesslich GPS-Ortung) sind auf Telemonitoring angewiesen. Kritische Notfaelle (z. B. Sekundenherztod) erhalten eine neue therapeutische Chance. Implantierbare Infusionssysteme kommunizieren mittels fPWS direkt mit dem Patienten. Sie werden mittels Master-Device als Baustein komplexer Therapie wirksam. Weitere Anwendungsgebiete: Pulmologie, Schlafmedizin (Schlafapnoe), Orthopaedie, Neurologie und Urologie **Machine translation:** Implantable devices are directly or indirectly with an optional patient alert system (fPWS) Telemetry inductor. The fPWS waiting the patient in critical situations. The known telemetry is supplemented, relevant events are communicated immediately. Links to life vests, external sensors and external infusion pump systems are included. The devices are active and communicate directly with the muendigen patients. The higher therapy security improves the adhesion. Pharmacotherapy can be controlled. For the networking of all implanted devices, a master device may be implantable as meaningful central unit, equipped with the fPWS is proposed. You can communicate with all telemetry systems. External communication systems (e.g. The medp hone) should be transferred patients are available. To the communication level II is an internet connection is not required, there is no danger of hacker attacks. The communication levels III (Home Monitoring) and IV (induction of rescue chain including GPS location) are instructed to Telemonitoring. Critical emergencies (e.g. Seconds cardiac death) a new therapeutic opportunity. Implantable infusion systems communicate via fPWS directly with the patient. They are by master device as a component of complex therapy effective. Further areas of applicability: Pulmologie, Sleep Medicine (sleep apnea), orthodontics field, neurology and urology

Classifications:

International (IPC 8-9): A61N1/372 (Advanced/Invention)

CPC: A61N1/372 A61N1/37288

Family:

Publication number	Publication date	Application number	Application date
DE102017009139 A1	20180329	DE201710009139	20170926

Priority:

DE201610118118 20160926

Probable Assignee: STRAUBE JUERGEN

Assignee(s): (std): STRAUBE JUERGEN

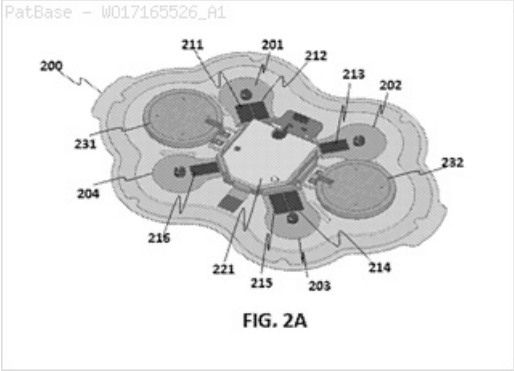
Inventor(s): (std): MARSCHNER UWE ; OTTO THOMAS ; SOMMER PHILIPP ; STRAUBE JUERGEN

Title: SYSTEMS AND METHODS FOR PHYSIOLOGICAL SIGNAL COLLECTION

Abstract: A compact integrated patch may be used to collect physiological data. The patch may be **wireless**. The patch may be utilized in everyday life as well as in clinical environments. Data acquired by the patch and/or external devices may be interpreted and/or be utilized by healthcare professionals and/or computer algorithms (e.g., third party applications). Data acquired by the patch may be interpreted and be presented for viewing to healthcare professionals and/or ordinary users.

Classifications:

International (IPC 8-9): A61B5/01 A61B5/02 A61B5/0205
A61B5/0402 A61B5/0408 G06F3/01 (Advanced/Invention)
CPC: A61B5/0022 A61B5/0006 A61B5/01 A61B5/02433 A61B5/0245
A61B5/6833 A61B5/7207 H04L67/12 G16H40/67 G06F19/00



Family:

Publication number	Publication date	Application number	Application date
WO17165526 A1	20170928	WO2017US23601	20170322

Priority:

US20160311808P 20160322 US20160411254P 20161021

Probable Assignee: HMICRO INC

Assignee(s): (std): HMICRO INC

Inventor(s): (std): MAGAR SURENDAR ; MULINTI RAGHAVENDRA ; PILLAI KRISHNA SANKAR MADHAVEN ; REVANNA GURUPRASAD SHIMOGA

Agent(s): RHO BYUNGHWI 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

Title: SYSTEM AND DEVICE FOR MULTI-SCALE ANALYSIS AND REPRESENTATION OF PHYSIOLOGICAL DATA

Abstract: System comprised of a medical device and method for analyzing physiological and health data and representing the most significant parameters at different levels of detail which are understandable to a lay person and a medical professional. Low, intermediate and high-resolution scales can exchange information between each other for improving the analyses; the scales can be defined according to the corresponding software and hardware resources. A low-resolution Scale I represents a small number of primary elements such as intervals between the **heart** beats, duration of electrocardiographic PQ, QRS, and QT-intervals, amplitudes of P-, Q-, R-, S-, and T-waves. This real-time analysis is implemented in a portable device that requires minimum computational resources. The set of primary elements and their search criteria can be adjusted using intermediate or high-resolution levels. At the intermediate-resolution Scale II, serial changes in each of the said elements can be determined using a mathematical decomposition into series of basis functions and their coefficients. This scale can be implemented using a specialized processor or a computer organizer. At the high-resolution Scale III, combined serial changes in all primary elements can be determined to provide complete information about the dynamics of the signal. This scale can be implemented using a powerful processor, a network of computers or the Internet. The system can be used for personal or group self-evaluation, emergency or routine ECG analysis, or continuous event, stress-test or bed-side monitoring.

Classifications:

International (IPC 8-9): A61B1/00 A61B5/00 A61B5/0205 A61B5/04 A61B5/0402 A61B5/0452 A61B5/055 A61N1/00 G06F19/00 (Advanced/Invention);

A61B5/04 A61B5/0428 A61B6/00 A61B6/03 (Advanced/Non-invention); A61B1/00 A61B5/00 A61B5/04 A61B5/0402

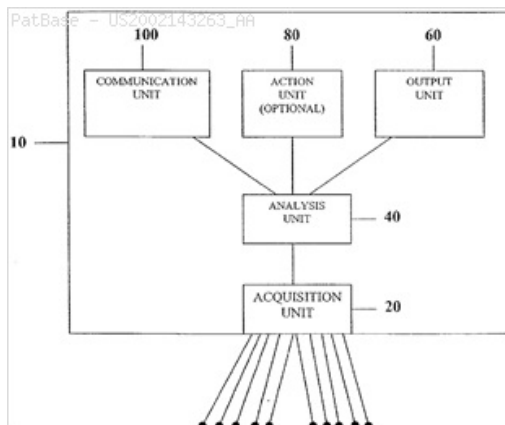
A61B5/0452 (Core/Invention)

International (IPC 1-7): A61B5/00 A61B5/02 A61B5/04 A61B5/0402 A61B5/044

CPC: A61B5/7232 G06F19/3418 A61B5/04007 A61B5/6822 A61B5/726 A61B5/411 A61B5/0205 A61B5/04012 A61B5/0456 A61B5/0464 A61B5/0472 A61B5/7264 A61B5/7267 A61B5/0022 A61B5/02055 A61B5/04004 A61B5/0428 A61B5/0452 A61B5/055 A61B5/7203 A61B6/032 A61B6/5217 G16H50/20 G16H50/70 G06F19/00

European: A61B5/00B A61B5/0205 A61B5/0452 A61B5/0456 A61B5/0472 A61B5/04M2 A61B5/04R A61B5/41B A61B5/68B2D G06F19/34J G06F19/34K K61B5/0464 K61B5/72K10D

US: 1/1 600/300 600/504 600/504P 600/508 600/509 600/509P 600/513 600/513P 705/2

**Family:**

Publication number	Publication date	Application number	Application date
AT394991 E	20080515	AT20010939644T	20010529
AU2001265140 AA	20011211	AU20010265140	20010529
AU200165140 A1	20011211	AU20010065140	20010529
AU200165140 A5	20011211	AU20010065140	20010529
DE60134010 D1	20080626	DE20016034010	20010529
EP1284645 A2	20030226	EP20010939644	20010529
EP1284645 A4	20040707	EP20010939644	20010529
EP1284645 B1	20080514	EP20010939644	20010529
US2002143263 AA	20021003	US20020124651	20020417
US2004193064 AA	20040930	US20040816638	20040402
US2006122525 AA	20060608	US20060327546	20060106
US2011004110 AA	20110106	US20100885520	20100919
US2013231947 AA	20130905	US20130784815	20130304
US6389308 BA	20020514	US20000583668	20000530
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US8388530 BB	20130305	US20100885520	20100919
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WO0191627 A2	20011206	WO2001US17362	20010529
WO0191627 A3	20020404	WO2001US17362	20010529
WO0191627 B1	20020627	WO2001US17362	20010529

Priority:

US20000583668 20000530	WO2001US17362 20010529	US20020124651 20020417
US20040816638 20040402	US20050646928P 20050124	US20060327546 20060106
US20060641268 20061220	US20100885520 20100919	US20130784815 20130304

Probable Assignee: SHUSTERMAN VLADIMIR

Assignee(s): (std): SHUSTERMAN VLADIMIR

Assignee(s): VLADIMIR SHUSTERMAN ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s): (std): SHUSTERMAN VLADIMIR

Inventor(s): VLADIMIR SHUSTERMAN

Agent(s): HOARTON LLOYD DOUGLAS CHARLES ET AL; ECKERT SEAMANS CHERIN AND MELLOTT; VLADIMIR SHUSTERMAN; BROWNLEE DAVID W; DAVID W; ECKERT SEAMANS CHERIN AND MELLOTT LLC; RADACK DAVID V; DAVID V; RADACK ESQ DAVID V; BROWNLEE ESQ DAVID W

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: WEARABLE MINI-SIZE INTELLIGENT HEALTHCARE SYSTEM

Abstract: A system and method for the wearable mini-size intelligent healthcare system, comprising one or multiple vital signal sensors, activity sensors, a real-time detection and analyzing module for continuous health monitoring, adjustable user setting mode with the adaptive optimization, data-collecting capability to record important health information, smart audio outputs of audio beep and speech advice to the user through audio path and audio interface, preset and user confirmable alarm conditions via **wireless** communications network to the appropriate individual for prompt and necessary assistance. The system uses noninvasive monitoring technology for continuous, painless and bloodless health state monitoring. The system also works through the short **range** RF link with carry-on PDA or cell phone for displaying health information, making urgent contact to support center, doctor or individual, or for information transmission with a healthcare center.

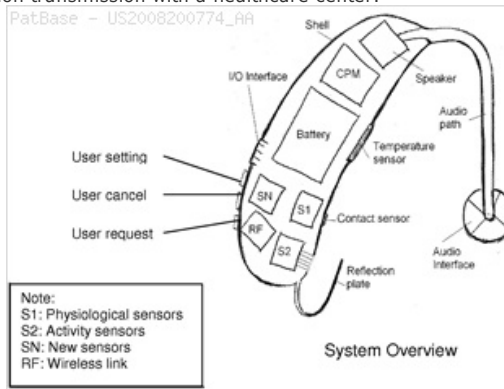
Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/024 A61B5/026 A61B5/08 A61B5/11 A61B5/145 A61B5/1455 A61G99/00 G06F19/00 G08B21/02 (Advanced/Invention); A61B5/0205 (Advanced/Non-invention); A61B5/00 A61B5/11 A61G99/00 G06F19/00 G08B21/00 (Core/Invention)

CPC: A61B5/0002 A61B5/0024 A61B5/02055 A61B5/6815 A61B5/6838 G06F19/3418 A61B5/741 A61B5/7282 A61B5/14551 A61B5/01 A61B5/14532 A61B5/0816 A61B5/4815 A61B5/4818 A61B5/486 A61B5/6843 A61B5/746 A61B5/0022 A61B2560/0252 G16H50/20 G06F19/00

European: A61B5/00B A61B5/00B5H A61B5/68B2B1 A61B5/68B3L G06F19/34C G06F19/34K K61B5/0205B

US: 1/1 600/301 600/301P

**Family:**

Publication number	Publication date	Application number	Application date
■ CN101742981 A	20100616	CN200880002659	20080129
■ CN101742981 B	20121121	CN200880002659	20080129
■ US2008200774 AA	20080821	US20070675684	20070216
■ US2015320359 AA	20151112	US20150700388	20150430
■ US9044136 BB	20150602	US20070675684	20070216
■ WO08098346 A1	20080821	WO2008CA00195	20080129

Priority:

US20070675684 20070216 WO2008CA00195 20080129 US20150700388 20150430

Probable Assignee: CIM TECHNOLOGY INC

Assignee(s): (std): CIM TECHNOLOGY INC ; LUO HONGYUE ; SIMENG CHINA TECHNOLOGY CO LTD

Assignee(s): SIMENG CHINA TECHNOLOGY CO

Inventor(s): (std): HONGYUE LUO ; LUO HONGYUE

Agent(s): HONGYUE LUO; GOWLING LAFLEUR HENDERSON LLP; NEIL; HENDERSON NEIL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN ZA ZM ZW

Title: NON-INVASIVE NANOSENSOR SYSTEM TO DETERMINE ANALYTE CONCENTRATION IN BLOOD AND/OR BODILY FLUIDS.

Abstract: The device is an ultra-low power, non-invasive in-vivo blood analyte sensor system incorporating multiple sensors including a carbon base and/or carbon base material coated with metallic nanoparticles and/or metallic nanoparticle nanopores, as a modified Clark electrode sensor system, that detects hydrogen peroxide concentrations, pH, and/or glucose concentrations (and other analytes) in bodily secretions (e.g. tears, saliva, sweat). The device consists of multiple chemoreceptive sensors, a microprocessor, a signal amplifier, signal filtering, error correction algorithms, analog-to-digital converter and **wireless** electromagnetic data transmitter to a remote device for further processing and/or data storage (e.g. on a server, on a cloud-based storage system, etc) and/or visual representation via software. The method involves applying the nanoprobe sensor array to skin tissue and the resulting electrical impulses correlate with glucose concentration within liquids such as tears, saliva, blood, etc. The collected data is then represented visually on a computer (handheld, smart-phone, desktop, laptop, etc) via software. The device is powered by ambient electromagnetic radiation, thermoelectric and/or solar power and/or rechargeable battery. The device is placed against the skin or immersed in a sample for sensor measurement. Single and continuous data collection is possible. The device can be reused repeatedly, re-sterilized and it is a high accuracy, low-cost option for multiple use glucose concentration measurements. The device can monitor blood glucose for Type I and Type II diabetics and it is suitable for a wide **range** of applications including gases, liquids and solids, biological, organic and inorganic chemical analysis.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/0476 A61B5/145 A61B5/1455 A61B5/1486 C12Q1/00 G01N33/49 G01N33/66 (Advanced/Invention)

CPC: A61B5/1455 C12Q1/006 G01N33/66 G01N33/492 A61B5/14503 A61B5/1486 A61B5/02438 A61B5/02055 A61B5/742 A61B5/7465 A61B5/14517 A61B2560/0209 A61B2560/0214 A61B2560/0242 A61B2562/0204 A61B2562/0219 A61B2562/0223 A61B2562/0238 H04B1/02 H04W4/80 H04W84/18 A61B5/002 A61B5/0022 A61B5/0476 A61B5/14507 H04W4/38

Family:

Publication number	Publication date	Application number	Application date
US2018070866 AA	20180315	US20160264010	20160913

Priority:

US20160264010 20160913

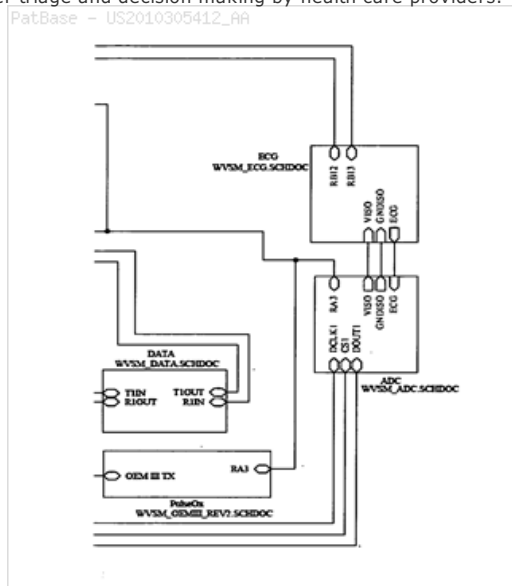
Probable Assignee: RAAHEMIFAR KAAMRAN

Assignee(s): (std): RAAHEMIFAR KAAMRAN

Inventor(s): (std): MARZBANRAD EHSAN ; RAAHEMIFAR KAAMRAN

Abstract: The present invention relates generally to the field of vital signs monitors, and particularly to a device and system for wireless monitoring of the vital signs of a plurality of patients simultaneously yet independently. The present invention is particularly adaptable for use by medical emergency personnel or medics in any setting, such as road accident, disaster sites, combat zones, or hospitals. The systems and methods of the present invention allows the monitoring of a plurality of patients by a single health care professional providing more effective monitoring and care for a large number of patients at any one time, and retaining all the information for more effective later triage and decision making by health care providers.

US: 600/301 600/301P



Publication number	Publication date	Application number	Application date
US2010305412 AA	20101202	US20100661757	20100322

Agent(s): M REZA SAVARI ESQ

Title: AN INTEGRATED MOBILE PERSONAL ELECTRONIC DEVICE AND A SYSTEM TO SECURELY STORE, MEASURE AND MANAGE USERS HEALTH DATA

Abstract: A mobile device, methods and systems provide the invention mobile Personal Health Records (PHR) management platform solution. The platform enables secure PHR data management, measuring user's medical parameters, managing PHR secured depository containing user's health data on the user's invention combined phone and add-on sleeve device, while blocking none legitimate users access to the invention devices secured storage content. The invention device user's authentication is based on the combined weighted fusion of at least two different human biological sensors within the device and their weighted output analysis. The multi-sensors ensure bio-authentication secured memory entry only for the legitimate device user. In case of authentication success it activates various types of applications on the user PHR data depository content stored in device. The system supports the user's PHR remote health management, remotely monitoring the user's measured medical parameters, updating and managing user's health medical history depository in the user's electronic sleeve.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/117

G06F19/00 G06F21/32 G06F21/62 G06Q10/00 G06Q50/22

G06Q50/24 H04L29/06 H04W12/06 (Advanced/Invention);

A61B5/021 A61B5/024 A61B5/0402 A61B5/0476 A61B5/053

A61B5/145 A61B5/16 (Advanced/Non-invention)

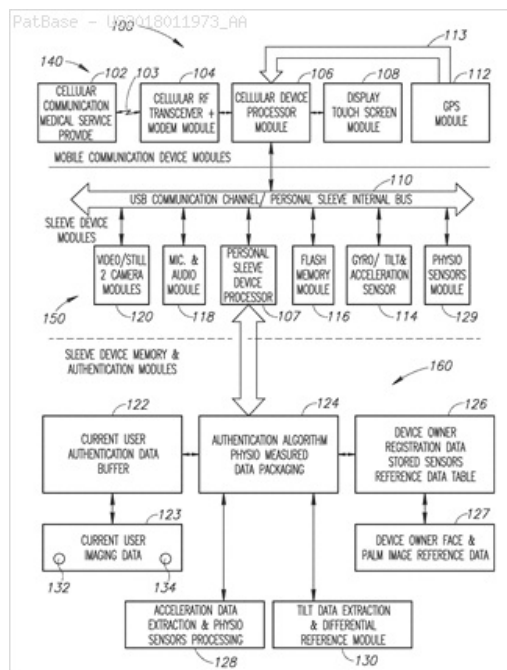
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A61B5/02055 A61B5/1176 A61B5/021 A61B5/0533 A61B5/0476

A61B5/0402 A61B5/4266 A61B5/14532 A61B5/14542 A61B5/165

A61B5/024 G06Q50/22 H04L63/0861 G16H10/60



Family:

Publication number	Publication date	Application number	Application date
US2018011973 AA	20180111	US20160547077	20160128
WO16120820 A2	20160804	WO2016IB50432	20160128
WO16120820 A3	20161013	WO2016IB50432	20160128

Priority:

US20150108614P 20150128 US20160547077 20160128 WO2016IB50432 20160128

Probable Assignee: OS NEW HORIZONS PERSONAL COMPUTING SOLUTIONS LTD

Assignee(s): (std): OS NEW HORIZONS PERSONAL COMPUTING SOLUTIONS LTD

Inventor(s): (std): FISH GILA ; KORMAN AVNER

Agent(s): SINAI HENRY

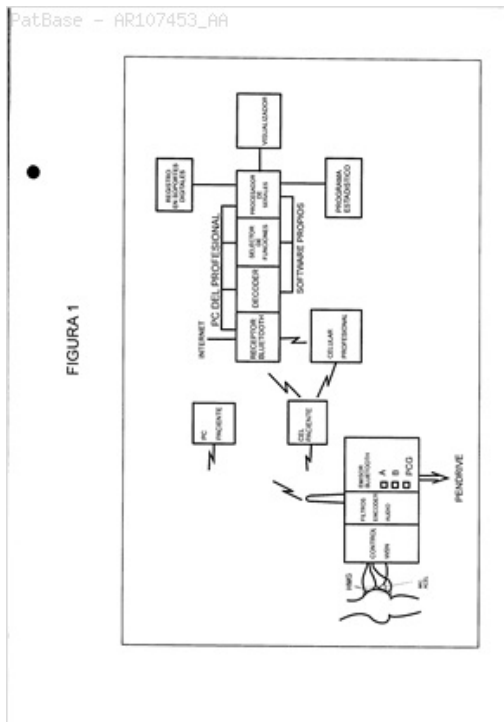
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Title: MONITOR MATERNO-FETAL AMBULATORIO E INSTITUCIONAL Y SUS COMPLEMENTOS PARA SU UTILIZACION DURANTE EL EMBARAZO Y EL PARTO Maternal-fetal monitor AMBULATORY AND INSTITUTIONAL AND ACCESSORIES FOR USE DURING PREGNANCY AND CHILDBIRTH (Machine translation)

Abstract: Source: AR107453A [ES] Sistema de monitoreo y metodo de control de salud materno fetal de uso en domicilio e institucional mediante Histeromiografia Transabdominal (HMG), mas Fonocardiografia Fetal (fPCG), mas registro de los Movimientos Fetales (MF), mas Flujiometria Cerebral Fetal Impedancial (fCIF) necesariamente institucional, desde canal histeromiografico (HMG) canal fonocardiografico fetal (fPCG) canal Acelerometrico para determinar los movimientos fetales (MF) implementados dentro de un pequeno modulo emisor portado por la paciente, y lo envia por radiofrecuencia a la PC del profesional en forma directa o a traves de Internet o telefono celular, monitorea con precision las contracciones uterinas, los movimientos fetales y la frecuencia cardiaca fetal durante el pretermino, el anteparto y el parto. **Machine translation:** Control method and system for monitoring maternal and fetal use at home and institutional by Histeromiografia fPCG Fonocardiografia Transabdominal (HMG), more Fetal (), more registration of fetal movements (MF), (fCIF Impedancial Fetal Brain flowmetry) necessarily more institutional, fonocardiografico histeromiografico (HMG) channel channel from fetal (fPCG Knock) channel to determine fetal movements (MF) implemented within a small emitter module carried by the patient, and sends it by radio-frequency to the professional PC directly or via the Internet or cellular phone, monitored with precision the uterine contractions, fetal movements and during the preterm labor, the antepartum fetal **heart rate** and delivery.

Classifications:

International (IPC 8-9): A61B5/00 G06F17/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
AR107453 AA	20180502	AR2017P100201	20170125

Priority:

AR2017P100201 20170125

Probable Assignee: DEL AGUILA CARLOS LUIS

Assignee(s): (std): DEL AGUILA CARLOS LUIS ; PEISACHOWICZ DANIEL OMAR

Inventor(s): (std): DEL AGUILA CARLOS LUIS ; PEISACHOWICZ DANIEL OMAR

Title: PERSONAL STATUS PHYSIOLOGIC MONITOR SYSTEM AND ARCHITECTURE AND RELATED MONITORING METHODS

Abstract: A system for actively monitoring a patient includes at least one body-worn monitoring device that has at least one sensor capable of measuring at least one physiologic parameter and detecting at least one predetermined event. At least one intermediary device is, linked to the body-worn monitoring device by means of a first **wireless** network and at least one respondent device is linked to said at least one intermediary device by a second **wireless** network wherein the respondent device is programmed to perform a specified function automatically when the at least one predetermined event is realized. The monitoring device operates to periodically transmit patient status data to the intermediary device but the system predominantly operates in a quiet state, providing very low power consumption.

Classifications:

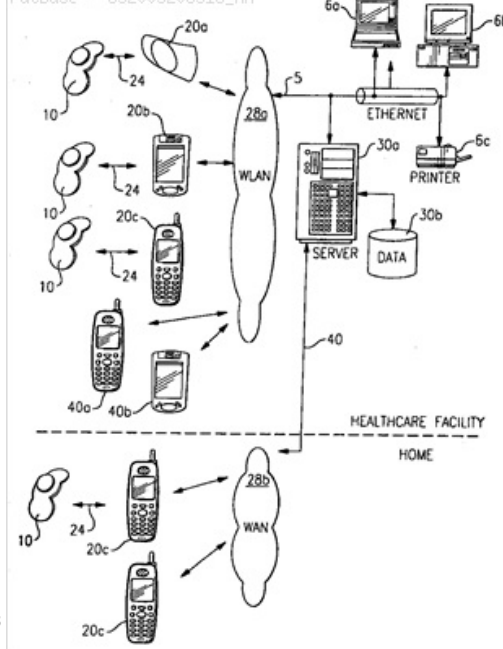
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PatBase - US2005206518_AA

**Family:**

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AU2004224345 BB	20100218	AU20040224345	20040322
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Probable Assignee: WELCH ALLYN INC

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Assignee(s): YALE UNIV NEW HAVEN ; WELCH ALLYN INC SKANEATELES FALLS ; ANAND SAMPATH ; YALE UNIVERSITY ; FO JON KF ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; YALE UNIV

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Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; HALEY STEPHEN; HEYER VOLKER; HAUCK PATENT- UND RECHTSANWAELTE; WALL MARJAMA AND BILINSKI; WELSH AND FLAXMAN LLC; MCCARTER AND ENGLISH LLP STAMFORD; HISCOCK AND BARCLAY LLP; BILINSKI PETER J; PETER J; MCCARTER AND ENGLISH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: RESCUE SERVICES ACTIVATION

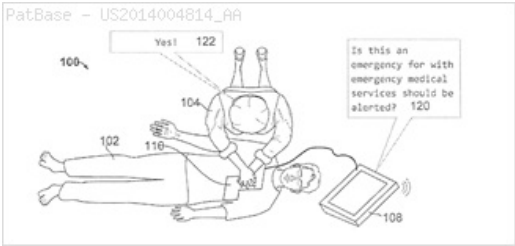
Abstract: A resuscitation system for use in resuscitation of cardiac arrest victims includes a communications module for initiating a communication with an emergency medical service.

Classifications:

International (IPC 8-9): A61N1/39 G06F19/00 G08B1/08 H04M11/04 H04W4/02 H04W4/22 (Advanced/Invention)

CPC: A61N1/3987 A61N1/3925 G06F19/3418 H04W4/02 G16H10/60 G16H40/63 H04W4/90 G06F19/00

US: 455/404.1 455/404.2



Family:

Publication number	Publication date	Application number	Application date
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■ EP2866890 A1	20150506	EP20130809500	20130529
■ EP2866890 A4	20170816	EP20130809500	20130529
■ JP2015526137 T2	20150910	JP20150520201T	20130529
■ US2014004814 AA	20140102	US20120538006	20120629
■ US2017246467 AA	20170831	US20170456818	20170313
■ US9628946 BB	20170418	US20120538006	20120629
■ WO14003948 A1	20140103	WO2013US43077	20130529

Priority:

US20120538006 20120629 WO2013US43077 20130529 US20170456818 20170313

Probable Assignee: ZOLL MEDICAL CORP

Assignee(s): (std): ELGHAZZAWI ZIAD F ; ZOLL MEDICAL CORP

Inventor(s): (std): ELGHAZZAWI ZIAD F ; ELGHAZZAWI ZIAD

Agent(s): SLINGSBY PARTNERS LLP; ONDA HIRONORI; ONDA MAKOTO; RYUKA IP LAW FIRM; ZOLL MEDICAL CORP; DRAKE TONYA S

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

Title: SYSTEM AND METHOD FOR AUTOMATIC MONITORING OF THE HEALTH OF A USER

Abstract: A system and method for automatically monitoring at least one physiological function of the user, without active intervention by the user, in a non-invasive manner. Such monitoring may be used to detect a deterioration in the health of the user. Preferably, the system according to the present invention features at least one physiological sensor for measuring the physiological parameter of the user to obtain the measurement of a physiological function, a local processing unit for extracting medical information from the physiological measurement, and a main server for processing the medical information in order to evaluate the health of the user. Such an evaluation is preferably performed by comparing medical information which has been obtained from a plurality of physiological measurements. Optionally and more preferably, the user is alerted if the evaluation detects a deterioration in at least one physiological function.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 (Advanced/Invention); A61B5/021 A61B5/024 A61B5/05 A61B5/053 (Advanced/Non-invention)

International (IPC 1-7): A61B5/00

CPC: A61B5/681 A61B5/0008 A61B5/002 A61B5/0205 A61B5/02055

A61B5/021 A61B5/024 A61B5/02405 A61B5/05 A61B5/0531

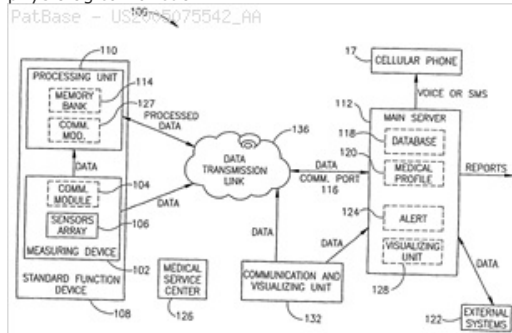
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US: 600/300 600/300P



Family:

Publication number	Publication date	Application number	Application date
AU2002217385 AA	20020708	AU20020217385	20011221
US2005075542 AA	20050407	US20010433623	20011221
WO20051307 A1	20020704	WO20011L01187	20011221

Priority:

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Probable Assignee: MEDIC4ALL INC

Assignee(s): (std): GOLDREICH RAMI ; MEDIC4ALL INC

Inventor(s): (std): GOLDREICH RAMI

Agent(s): ANTHONY CASTORINA G E EHRlich

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW