

Diego Gonzalez

Search history

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Search 2: STAC=(EMG and muscle and electrode and voice) (Results 5)
Search 3: STAC=(EMG and muscle and speech and electrode) (Results 9)
Search 4: STAC=(EMG and muscle and mensaje and electrode) (Results 0)
Search 5: STAC=(EMG and muscle and message and electrode) (Results 8)

Title: ELECTRODERMAL INTERFACE SYSTEM

Abstract: A communication system, method, and computer program product supported by electro-dermal monitoring physiological signals at the surface of the skin. The system includes a garment comprising an electro-dermal interface. The interface includes two or more **electrodes** in an array of **electrodes**. The **electrodes** are associated with three or more polarities. Two or more measurement circuits associated with respective measurement functions are in communication with the **electrodes**, including a first measurement circuit associated with a first measurement function and a second measurement circuit associated with a second measurement function. Switching circuitry comprising two or more pole switches, with each switch in communication with a respective **electrode**. A controller is in communication with the switching circuitry to change a measurement function. Changing the measurement function includes changing a polarity associated with at least one of the **electrodes**.

Classifications:**International (IPC 8-9):** A61B5/00 A61B5/024 A61B5/0408

A61B5/0488 A61B5/0492 A61B5/05 A61B5/053

A61N1/04 (Advanced/Invention);

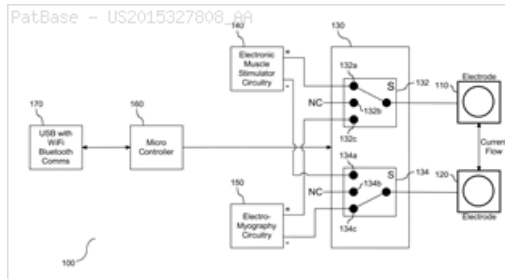
A61N1/32 A61N1/36 (Advanced/Non-invention)

CPC: A61B5/04085 A61B5/02405 A61B5/7203 A61B5/7455

A61B5/0022 A61B5/0488 A61B5/024 A61B5/0408 A61B5/0492

A61N1/0452 A61N1/0484 A61N1/321 A61N1/36003 A61N1/36014

A61B5/6804 H05K999/99

US: 600/388**Family:**

Publication number	Publication date	Application number	Application date
US2015327808 AA	20151119	US20150716084	20150519
US9872650 BB	20180123	US20150716084	20150519
WO15179379 A1	20151126	WO2015US31548	20150519

Priority:

US20140000489P 20140519 US20150716084 20150519

Probable Assignee: ANTHROTRONIX INC**Assignee(s):** (std): ANTHROTRONIX INC**Inventor(s):** (std): VICE JACK M**Agent(s):** LIEBERMAN AND BRANDSDORFER LLC; LIEBERMAN ROCHELLE

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: NEURALLY CONTROLLED PATIENT AMBULATION SYSTEM

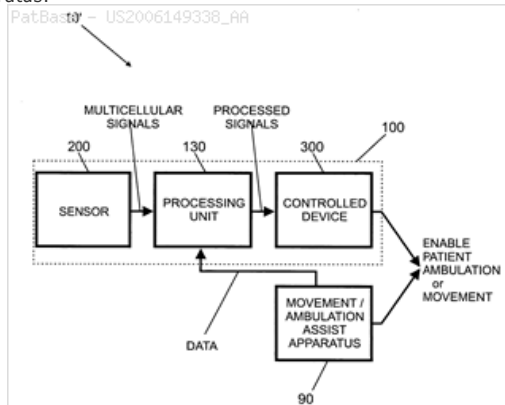
Abstract: Various embodiments of an ambulation system and a movement assist system are disclosed. For example, an ambulation system for a patient may comprise a biological interface apparatus and an ambulation assist apparatus. The biological interface apparatus may comprise a sensor having a plurality of **electrodes** for detecting multicellular signals, a processing unit configured to receive the multicellular signals from the sensor, process the multicellular signals to produce a processed signal, and transmit the processed signal to a controlled device. The ambulation assist apparatus may comprise a rigid structure configured to provide support between a portion of the patient's body and a surface. Data may be transferred from the ambulation assist apparatus to the biological interface apparatus.

Classifications:

International (IPC 8-9): A61B5/04 A61F2/58 A61F2/60 A61F2/72 A61F5/01 A61G5/14 A61H1/00 A61H1/02 A61H3/00 A61N1/08 A61N1/18 A61N1/36 (Advanced/Invention); A61B5/04 A61F2/50 A61F2/60 A61F5/01 A61G5/00 A61H1/02 A61H3/00 A61N1/08 A61N1/18 A61N1/36 (Core/Invention)

CPC: A61H1/0277 A61H3/04 A61H2201/1635 A61H2201/1638 A61H2201/1642 A61H2201/1676 A61H2201/5058 A61H2201/5061 A61H2201/5071 A61H2201/5082 A61H2203/03 A61H2230/085 A61H2230/10 A61H2230/605 A61N1/08 A61H1/0255 A61H3/00 A61H3/008 A61N1/36003

European: A61H1/02L4 A61H3/00 A61H3/00H A61N1/08 A61N1/36A
US: 601/33 601/35 601/35S 601/5 601/5S 607/48 607/49 607/49P



Family:

Publication number	Publication date	Application number	Application date
US2006149338 AA	20060706	US20050319237	20051229
US2006206167 AA	20060914	US20050319267	20051229
US7901368 BB	20110308	US20050319237	20051229
WO06074029 A2	20060713	WO2005US47340	20051229
WO06074029 A3	20060908	WO2005US47340	20051229

Priority:

US20050641986P 20050106 US20050319237 20051229 US20050319267 20051229

Probable Assignee: BRAINGATE CO LLC

Assignee(s): (std): BRAINGATE CO LLC ; CYBERKINETICS NEUROTECHNOLOGY ; DONOGHUE JOHN P ; FLAHERTY J C ; SERRUYA MIJAIL D ; FLAHERTY CHRISTOPHER J

Assignee(s): CYBERKINETICS NEUROTECHNOLOGY SYSTEMS INC ; BRAINGATE CO

Inventor(s): (std): DONOGHUE JOHN P ; FLAHERTY CHRISTOPHER J ; FLAHERTY J C ; FLAHERTY J CHRISTOPHER ; SERRUYA MIJAIL D

Inventor(s): DONOGHUE JOHN ; SERRUYA MIJAIL ; FLAHERTY J

Agent(s): LESLIE I BOOKOFF FINNEGAN HENDERSON FARABOW; SOCAL IP LAW GROUP LLP; STEVEN C; M KALA

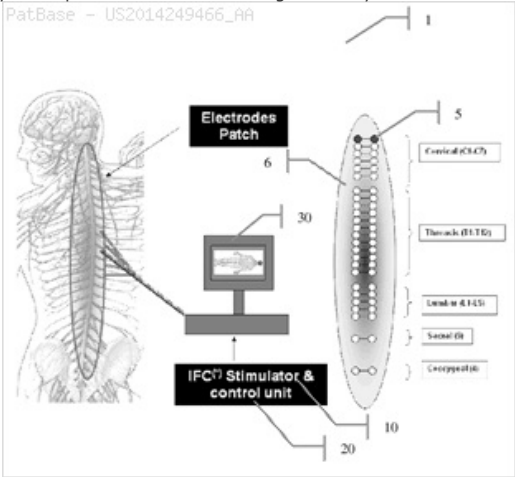
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Title: SYSTEM AND METHOD FOR NEUROMODULATION OF BODY TEMPERATURE REGULATION SYSTEM

Abstract: A system for controlling and modulating a mammalian's body temperature and thermoregulation system includes: a. a display monitor; b. a pulse generator; c. at least one channel of electrical or electromagnetic stimuli connected to the pulse generator, and adapted for cutaneous application on the body's spinal cord; d. a control panel, and e. at least one Measurement Analysis and Command (MAC) unit. The control panel and the MAC units are adapted to implement the optimal stimulating procedure for blocking the afferent neural pathways, evoking the afferent neural pathways, attenuating the afferent neural pathways, blocking and evoking the efferent neural pathways, blocking and attenuating the efferent neural pathways, attenuating and evoking, or blocking, attenuating, and evoking the efferent neural pathways, involved in the thermoregulation system, thereby controlling and modulating the body's temperature and thermoregulation system.

Classifications:

International (IPC 8-9): A61F A61F7/00 A61F7/02 A61M35/00 A61N1/36 (Advanced/Invention)
CPC: A61F2007/0095 A61N1/0456 A61N1/0476 A61N1/0492 A61N1/36014 A61N1/40 A61N1/36021 A61N1/36017 A61M35/00 A61F7/02 A61F7/00
US: 604/20 607/3 607/59 607/62



Family:

Publication number	Publication date	Application number	Application date
IL229891 A0	20140227	IL20120229891	20120614
US2014249466 AA	20140904	US20120126024	20120614
WO12172545 A1	20121220	WO2012IL00235	20120614

Priority:

US20110496588P 20110614 US20120126024 20120614 WO2012IL00235 20120614

Probable Assignee: THERMACON LTD

Assignee(s): (std): HAKIM GIL ; THERMACON LTD

Inventor(s): (std): HAKIM GIL

Agent(s): DR EYAL BRESSLER LTD

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 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: BIOLOGICAL INTERFACE SYSTEM WITH GATED CONTROL SIGNAL

Abstract: Various embodiments of a biological interface system and related methods are disclosed. The biological interface system may comprise a sensor comprising a plurality of **electrodes** for detecting multicellular signals emanating from one or more living cells of a patient, a processing unit configured to receive the multicellular signals from the sensor and process the multicellular signals to produce a processed signal, and a signal gate configured to receive the processed signal from the processing unit and an alternative signal generated by the system, the signal gate being configured to transmit a control signal to a controlled device based on either the processed signal or the alternative signal. A monitoring unit may receive system data and process the system data to produce a system status signal. The system status signal may be used to determine which of the processed signal and the alternative signal is to be used as the control signal.

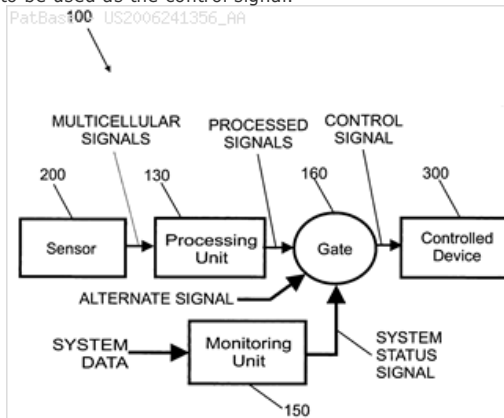
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International (IPC 8-9): A61B18/04 A61B19/00 A61B5/00 A61B5/04 A61B5/0488 (Advanced/Invention); A61B18/04 A61B19/00 A61B5/00 A61B5/04 A61B5/0488 (Core/Invention)

CPC: A61B5/0215 A61B5/04 A61B5/0402 A61B5/0476 A61B5/0478 A61B5/0488 A61B5/08 A61B2560/0276 A61B2560/045 A61B2560/063 A61B5/6835 A61B2017/00694 A61N1/08 A61B5/0084 A61B5/0492 A61B5/1077 A61B5/4064 A61B5/6885 A61B8/0833 A61N1/05 A61B5/04001 A61B90/11 A61B90/361 A61B2090/378

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US: 600/301 600/301P 600/544 600/545 606/130 606/130P 606/32 606/32P



Family:

Publication number	Publication date	Application number	Application date
US2006241356 AA	20061026	US20050316807	20051227
US2007156126 AA	20070705	US20050319547	20051229
US2010023021 AA	20100128	US20090574022	20091006
US8095209 BB	20120110	US20050316807	20051227
WO06086086 A2	20060817	WO2005US46939	20051228
WO06086086 A3	20071122	WO2005US46939	20051228

Priority:

US20050642199P	20050106	US20050316807	20051227	US20050319547	20051229
US20050320709	20051230	US20050321860	20051230	US20090574022	20091006

Probable Assignee: BRAINGATE CO LLC

Assignee(s): (std): BRAINGATE CO LLC ; CYBERKINETICS NEUROTECHNOLOGY ; FLAHERTY J CHRISTOPHER ; FLAHERTY J C

Assignee(s): BRAINGATE CO ; CYBERKINETICS NEUROTECHNOLOGY SYSTEMS INC ; FLAHERTY J

Inventor(s): (std): FLAHERTY J C ; FLAHERTY J CHRISTOPHER

Inventor(s): FLAHERTY J

Agent(s): LESLIE I BOOKOFF FINNEGAN HENDERSON FARABOW; SOCAL IP LAW GROUP LLP; STEVEN C; M KALA

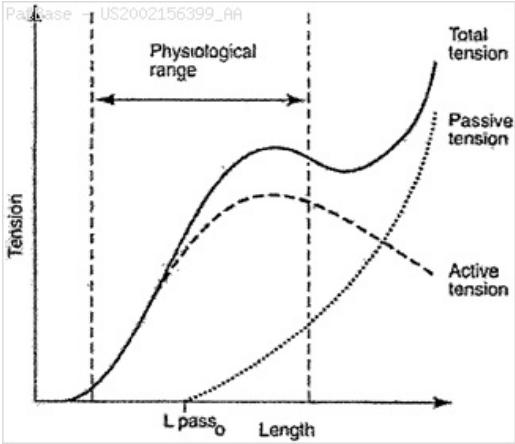
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Title: Quantification of **muscle** tone

Abstract: A method and device for the quantification of **muscle** tone, particularly the wrist, wherein non-sinusoidal and non ramp trajectories are used to drive the wrist. Equation 1 is utilized determine the stiffness, viscosity and inertial parameters. $ts(t)=KH\theta(t)+BH\dot{\theta}(t)+JT\ddot{\theta}(t)+toff$ [Eq. 1] wherein where ts is the total torque, $toff$ is the offset torque, KH and BH are the angular stiffness and viscosity of the combined flexor and extensor **muscle** groups that act on the joint, JT is the combined inertia of the oscillating appendage, θ is the angular displacement of the system, and $\dot{\theta}$ and $\ddot{\theta}$ are the velocity and acceleration. In accordance with the method, the trajectory $\theta(t)$ is controlled, the torque response $t(t)$ is measured and the stiffness, viscosity, and inertial parameters are determined using Equation 1. The method and device are particularly suitable for use on patients with spasticityf

Classifications:

International (IPC 8-9): A61B5/0488 A61B5/22 (Advanced/Invention)
International (IPC 1-7): A61B5/103 A61B5/117 A61B5/22
CPC: A61B5/224 A61B5/0488 A61B5/4528 A61B5/6824
European: A61B5/0488 A61B5/22D K61B5/45K K61B5/68B2H
US: 600/587 600/587P



Family:

Publication number	Publication date	Application number	Application date
AU2001294525 AA	20020322	AU20010294525	20010906
AU200194525 A1	20020322	AU20010094525	20010906
AU200194525 A5	20020322	AU20010094525	20010906
US2002156399 AA	20021024	US20010949411	20010906
US6589190 BB	20030708	US20010949411	20010906
WO0219907 A1	20020314	WO2001US27559	20010906

Priority:

US20000230314P 20000906 US20010949411 20010906 WO2001US27559 20010906

Probable Assignee: UNIV JOHNS HOPKINS

Assignee(s): (std): GOLDBERG RANDAL ; KANDERIAN SAMI S ; LATEUR BARBARA J DE ; LENZ FRED A ; RIEFLIN KATRINA ; WHITCOMB LOUIS L ; UNIV JOHNS HOPKINS

Assignee(s): THE JOHN HOPKINS UNIVERSITY ; DE LATEUR BARBARA J ; OBELL KATRINA RIEFLIN ; GOLDBERG RANDAL P ; JOHNS HOPKINS UNIV ; JOHNS HOPKINS UNIVERSITY

Inventor(s): (std): GOLDBERG RANDAL ; GOLDBERG RANDAL P ; KANDERIAN JR SAMI S ; KANDERIAN SAMI S ; DE LATEUR BARBARA J ; LATEUR BARBARA J DE ; LENZ FRED A ; OBELL KATRINA RIEFLIN ; RIEFLIN KATRINA ; UBELL KATRINA RIEFLIN ; WHITCOMB LOUIS L

Inventor(s): BARBARA J DE LATEUR ; SAMI S KANDERIAN ; RANDAL GOLDBERG ; LOUIS L WHITCOMB ; FRED A LENZ ; KATRINA RIEFLIN

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 PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: LIMB AND DIGIT MOVEMENT SYSTEM

Abstract: Systems, methods and devices for restoring or enhancing one or more motor functions of a patient are disclosed. The system comprises a biological interface apparatus and a joint movement device such as an exoskeleton device or FES device. The biological interface apparatus includes a sensor that detects the multicellular signals and a processing unit for producing a control signal based on the multicellular signals. Data from the joint movement device is transmitted to the processing unit for determining a value of a configuration parameter of the system. Also disclosed is a joint movement device including a flexible structure for applying force to one or more patient joints, and controlled cables that produce the forces required.

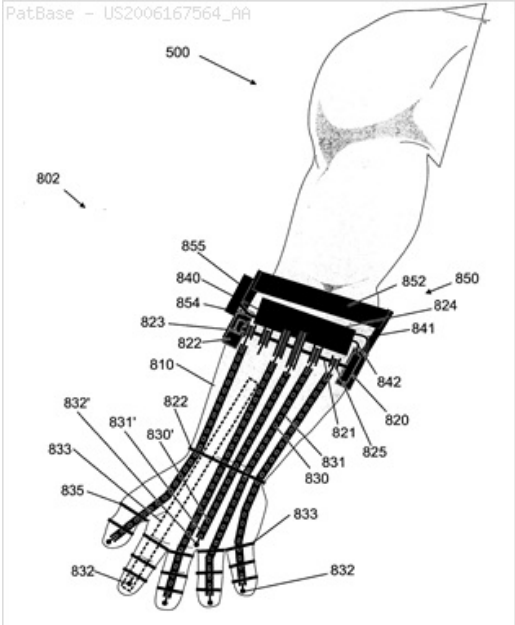
Classifications:

International (IPC 8-9): A61B5/00 A61B5/103 A61F2/66 A61F2/68 G06F3/00 G06N3/06 (Advanced/Invention); A61B5/00 A61B5/103 A61F2/50 A61F2/60 G06F3/00 G06N3/00 (Core/Invention)

CPC: A61B5/407 A61B5/0476 A61B5/04888 A61B5/4528 A61F2/50 A61F2/68 A61F2/72 A61F2002/701 A61F2002/704 A61F2002/705 A61F2002/741 A61F2002/7615 G06F3/011 G06F3/014 G06F3/015 G06N3/061

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US: 600/595 600/595P 623/57 623/57P



Family:

Publication number	Publication date	Application number	Application date
US2006167564 AA	20060727	US20050319703	20051229
US2006189899 AA	20060824	US20050319620	20051229
WO06076164 A2	20060720	WO2005US47218	20051230
WO06076164 A3	20071018	WO2005US47218	20051230

Priority:

US20050642810P 20050110 US20050319620 20051229 US20050319703 20051229

Probable Assignee: CYBERKINETICS NEUROTECHNOLOGY SYSTEMS INC

Assignee(s): (std): BARRETT BURKE T ; CYBERKINETICS NEUROTECHNOLOGY ; DONOGHUE JOHN P ; FLAHERTY J CHRISTOPHER ; FLAHERTY R MAXWELL ; FRIEHS GERHARD M ; SERRUYA MIJAIL D ; FLAHERTY R M ; FLAHERTY J C

Assignee(s): FLAHERTY R ; FLAHERTY J ; CYBERKINETICS NEUROTECHNOLOGY SYSTEMS INC

Inventor(s): (std): BARRETT BURKE T ; DONOGHUE JOHN P ; FLAHERTY J C ; FLAHERTY J CHRISTOPHER ; FLAHERTY R M ; FLAHERTY R MAXWELL ; FRIEHS GERHARD M ; SERRUYA MIJAIL D

Inventor(s): BARRETT BURKE ; SERRUYA MIJAIL ; FRIEHS GERHARD ; FLAHERTY R ; FLAHERTY J ; DONOGHUE JOHN

Agent(s): LESLIE I BOOKOFF FINNEGAN HENDERSON FARABOW

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

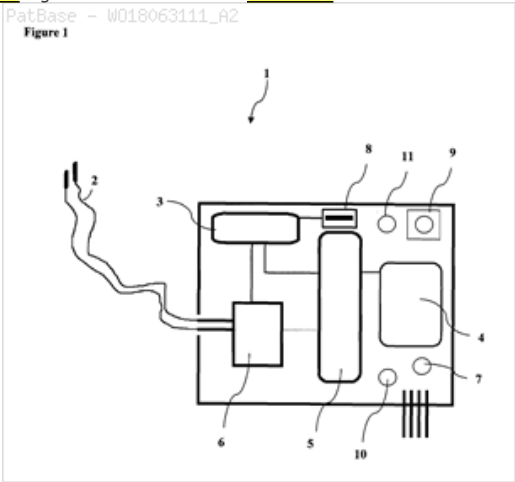
Title: KINESIOLOGICAL SURFACE ELECTROMYOGRAPHY DEVICE

Abstract: The present invention relates to a single or dual-channel kinesiological surface electromyography device (1) which can carry out analysis automatically in real- time by recording **muscle** signals from one or two **muscles**.

Classifications:

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

CPC: A61B5/0488 G06F1/163 G06F3/015



Family:

Publication number	Publication date	Application number	Application date
TR201613158 A2	20180424	TR20160013158	20160921
WO18063111 A2	20180405	WO2017TR00095	20170815

Priority:

TR20160013158 20160921

Probable Assignee: SOYLU ABDULLAH RUHI

Assignee(s): (std): SOYLU ABDULLAH RUHI

Assignee(s): MUSTAFA BAKIRTAS ADALET MAH KARADENIZ CAD PRESTIJ ; ABDULLAH RUHI SOYLU ; MUSTAFA BAKIRTAS

Inventor(s): (std): BAKIRTAS MUSTAFA ; SOYLU ABDULLAH RUHI

Inventor(s): ABDULLAH RUHI SOYLU ; MUSTAFA BAKIRTAS

Agent(s): ZELIHA OEZSOY; OZSOY ZELIHA

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 JO 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: DETECTING AND RESPONDING TO PRESHERIVING

Abstract: A method of reducing the likelihood of shivering comprises monitoring at least one physiological characteristic in a human or animal subject to detect preshivering and acting to reduce the likelihood of shivering when preshivering is detected.

Classifications:

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

A61B5/0488 A61F7/00 A61F7/10 A61F7/12

G06F19/00 (Advanced/Invention)

CPC: A61F2007/0093 A61N1/36003 A61N1/36014 A61N1/36017

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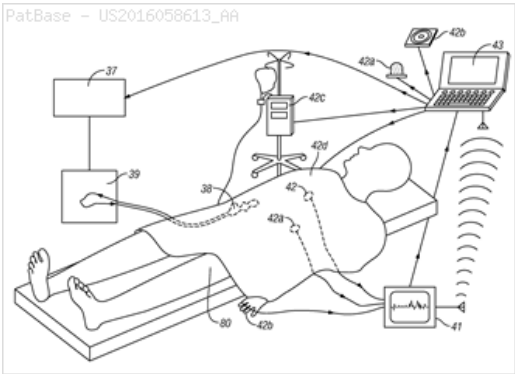
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US: 607/105



Family:

Publication number	Publication date	Application number	Application date
EP2983629 A2	20160217	EP20140783023	20140408
EP2983629 A4	20161228	EP20140783023	20140408
US2016058613 AA	20160303	US20140783912	20140408
WO14168952 A2	20141016	WO2014US33339	20140408
WO14168952 A3	20150108	WO2014US33339	20140408

Priority:

US20130810508P 20130410 US20140783912 20140408 WO2014US33339 20140408

Probable Assignee: ZOLL CIRCULATION INC

Assignee(s): (std): FREEMAN GARY A ; HELKOWSKI RICHARD A ; PALAZZOLO JAMES ; ZOLL CIRCULATION INC

Inventor(s): (std): PALAZZOLO JAMES ; HELKOWSKI RICHARD A ; FREEMAN GARY A

Agent(s): MAUGHAN SOPHIE LOUISE; BUYAN ROBERT 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