

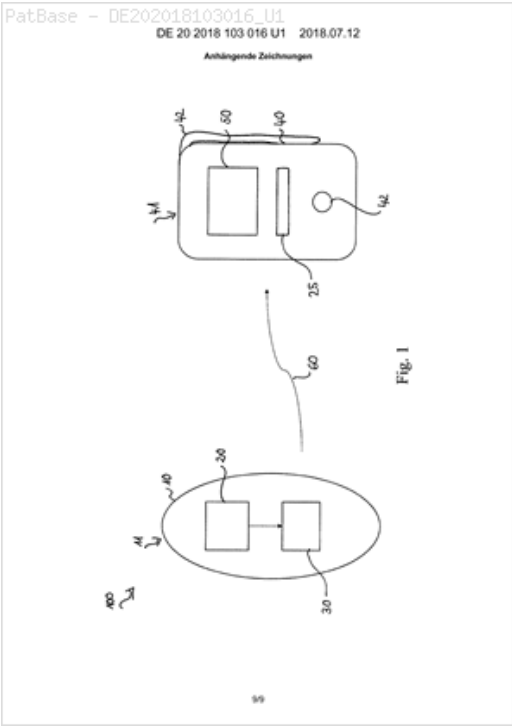
1) Family number: 70420088 (DE202018103016U1)

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Title: TRAININGSGERAET ZUM TRAINIEREN UND UEBERWACHEN DES TRAININGS- UND ERMUEDUNGSZUSTANDS DES MUSKULAEREN BECKENBODENS Training DEVICE FOR TRAINING AND MONITORING THE STATE OF THE PELVIC FLOOR TRAINING AND muscular fatigue (Machine translation)

Abstract: Source: DE202018103016U1 [DE] Trainingsgeraet zum Trainieren und ueberwachen des Trainings- und Ermuedungszustands der Beckenbodenmuskulatur inklusive der Analmuskeln aufweisend:- ein in die Vagina oder den Anus des Patienten entfernbare einfuehrbares Gehaeuse;- einen an oder in dem Gehaeuse angebrachten Bewegungssensor zum Erfassen einer Amplitude einer Relativbewegung des Bewegungssensors zu einem Bezugspunkt ausserhalb der zu ueberwachenden Koerpermuskulatur; und- eine Anzeigeeinheit fuer den durch die Amplitude der Auslenkung repraesentierten Trainings- und/oder Ermuedungszustand der Koerpermuskulatur; wobei der Sensor angepasst ist, in Verwendung wiederholt eine Amplitude seiner Relativbewegung zu erfassen und an die Anzeigeeinheit zur Ausgabe zu liefern; **Machine translation:** Training device for training and monitoring of training and fatigue state of the pelvic floor muscles including the anal muscles in the vagina or the anus comprising:- a removably insertable housing of the patient; and a processor coupled to or mounted in the housing, the motion sensor for detecting an amplitude of a relative movement of the motion sensor with respect to a reference point outside the supervising body muscles; and a display unit for the deflection represented by the amplitude of the training and/or fatigue state of body musculature; wherein the sensor is adapted to repeatedly use in an amplitude of its relative movement and to the display unit to the output;

Classifications:
International (IPC 8-9): A61B5/11 A63B23/20 (Advanced/Invention)
CPC: A61B5/1107 A61B5/1108 A61B5/1122 A61B5/1124 A61B5/4318 A61B5/486 A61B5/6846 A61B5/6873 A63B23/20 A61B5/227 A63B71/0622 A63B2071/0625 A63B2071/0655 A63B2220/40 A63B2225/50



Family:

Publication number	Publication date	Application number	Application date
DE202018103016 U1	20180712	DE201820103016U	20180529

Priority:

DE201820103016U 20180529

Probable Assignee: SCHLEIP ROBERT
Assignee(s): (std): SCHLEIP ROBERT
Assignee(s): SCHLEIP

2) Family number: 41950130 (US2008171950A)

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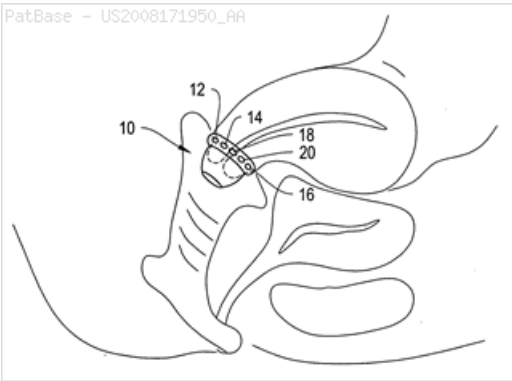
Title: SYSTEMS AND METHODS FOR A PREGNANCY MONITORING DEVICE

Abstract: Systems and methods are provided for characterizing electrical activity of a patient for making a pregnancy-related diagnosis. The system includes a wearable device for measuring an electrical impedance of a cervical tissue of the patient based

on a signal applied to the cervical surface by the device. The system also includes a transmitter coupled to the wearable device for transmitting the measured electrical impedance of the cervical tissue to an analysis system for making a pregnancy-related diagnosis based on the impedance data.

Classifications:

International (IPC 8-9): A61B10/00 A61B17/42 A61B5/00 A61B5/053 A61B5/107 A61K9/00 A61M5/172 (Advanced/Invention); A61B10/00 A61K9/00 (Advanced/Non-invention); A61B10/00 A61B17/42 A61B5/00 A61B5/053 A61B5/107 A61K9/00 A61M5/168 (Core/Invention); A61B10/00 A61K9/00 (Core/Non-invention)
CPC: A61B5/002 A61B5/0022 A61B5/053 A61B5/0011 A61B5/0538 A61B5/411 A61B5/6882 A61B2017/4225 A61M5/16827 A61M5/1723 A61M2210/1475
European: A61B5/00B10 A61B5/00B3F A61B5/053 A61B5/053N A61B5/41B A61B5/68D3D K61B17/42C2 K61B5/00B K61M210/14E K61M5/168A11 K61M5/172B
US: 600/547 600/547P 604/66 604/66S



Family:

Publication number	Publication date	Application number	Application date
US2008171950 AA	20080717	US20070002667	20071218
WO08076436 A2	20080626	WO2007US25867	20071218
WO08076436 A3	20080814	WO2007US25867	20071218

Priority:

US20060875683P 20061218 US20070925057P 20070417 US20070002667 20071218

Probable Assignee: GENISENT INT INC

Assignee(s): (std): FRANCO JEFF ; GENISENT INT INC ; GENISENT INTERNAT INC

Assignee(s): GENISENT INTERNATIONAL INC

Inventor(s): (std): FRANCO JEFF

Agent(s): ROPES AND GRAY LLP; KELLY EDWARD J ET AL

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 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 ZA ZM ZW

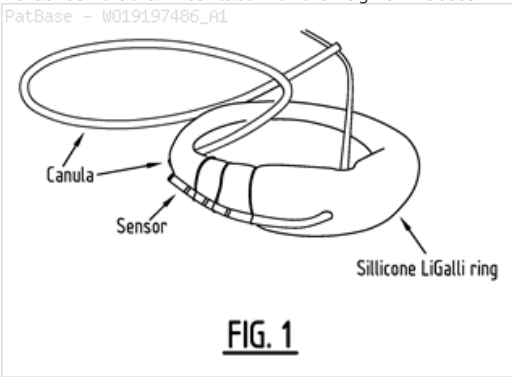
3) Family number: 76188161 (WO19197486A1) © PatBase

Title: VAGINAL MEASUREMENTS USING A VAGINAL RING

Abstract: Method for measuring the presence of a compound or a physiological parameter in the human or animal body, comprising positioning an intravaginal ring that comprises a sensor for the compound or parameter to be measured in contact with the vaginal mucosa and recording a signal produced by the sensor. It is further disclosed a method for the combined administration and measurement of compounds in the human or animal body, comprising the administration of one or more biologically active compounds and the simultaneous and/or subsequent measurement of the presence and/or concentration of the same and/or another compound and/or physiological parameter that is the result of the administration of the one or more biologically active compounds, wherein the measurement is performed with a sensor that is in contact with the vaginal mucosa.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/145 A61K9/00 (Advanced/Invention); A61B5/22 (Advanced/Non-invention)
CPC: A61B5/14532 A61B5/14539 A61B5/14546 A61B5/227 A61B5/4337 A61B5/4839 A61K9/0036



Family:

Publication number	Publication date	Application number	Application date
WO19197486 A1	20191017	WO2019EP59127	20190410

Priority:

EP20180166628 20180410 EP20180194033 20180912 EP20180194034 20180912

Probable Assignee: LIGALLI BV

Assignee(s): (std): LIGALLI BV

Inventor(s): (std): DE LAAT WILHELMUS NICOLAAS GERARDUS MARIA

Agent(s): VAN SOMEREN PETRONELLA FRANCISCA HENDRIKA MARIA

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

4) Family number: 31815263 (DE10345282B3)

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Title: TELEMETRIC OVULATION MONITORING SYSTEM IS BASED ON INSTRUMENTED RING PESSARY INCLUDING TEMPERATURE SENSOR, ACCELEROMETER AND ADDITIONAL CONDITION SENSORS

Abstract: The flexible ring pessary (1) includes not just a temperature sensor (2), but also a sensitive three-dimensional acceleration sensor (3) to measure physical activity.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00 G01K13/00

G01N27/403 (Advanced/Invention);

A61B10/00 A61B5/00 G01K13/00 G01N27/403 (Core/Invention)

International (IPC 1-7): A61B10/00 A61B5/00 G01K13/00 G01N27/403

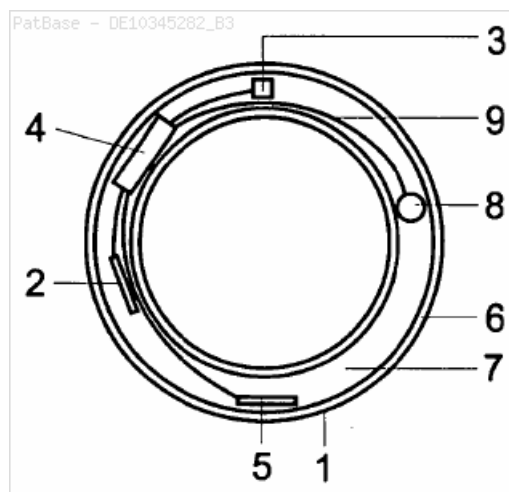
G08C17/02

CPC: A61B5/14539 A61B5/0031 A61B5/01 A61B10/0012 A61B2010/0019

A61B2562/0219 G01K13/002

European: A61B10/00D A61B5/00B8 A61B5/00B9 A61B5/145J

G01K13/00B G01N27/403 K61B10/00D4 K61B5/01 K61B562/02C



Family:

Publication number	Publication date	Application number	Application date
DE10345282 B3	20050414	DE20031045282	20030930

Priority:

DE20031045282 20030930

Probable Assignee: KURT SCHWABE INST F MESS UN

Assignee(s): (std): KURT SCHWABE INST F MESS UN ; KURT SCHWABE INST FUER MESS UN

Assignee(s): KURT SCHWABE INSTITUT FUER MESS UND SENSORTECHNIK E V MEINSBERG ; KURT SCHWABE INSTITUT FUER MESS UND SENSORTECHNIK ; KURT SCHWABE INST F MESS U ; KURT SCHWABE INST F MESS U SENSORTECHNIK EV ; KURT SCHWABE INST F MESS U SENSORTECHNIK EV MEINSB ; KURT SCHWABE INST F MESS U SENSORTECHNIK EV MEINSBERG

Inventor(s): (std): ZOSEL JENS ; ALEXANDER HENRY ; KADEN HEINER

5) Family number: 77361329 (WO20013830A1)

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Title: VAGINAL TEMPERATURE SENSING APPARATUS AND METHODS

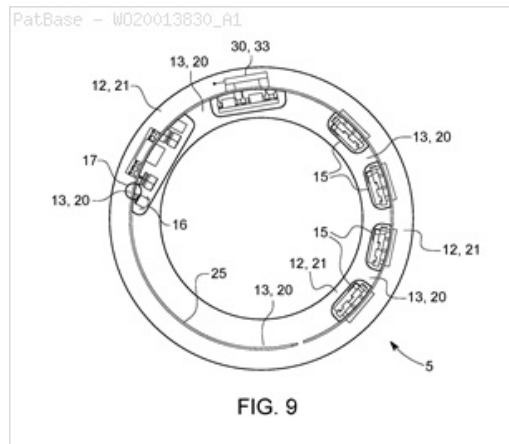
Abstract: Embodiments of a vaginal temperature sensing apparatus, a visually sense-able battery power-on indicator (16), manufacturing with cure temperatures that protect a battery, substantially error-free, user-initiated device activation componentry (30) to start battery power, and a timer to automatically terminate flow of battery power. Data can by an automatic data transform recalcuator (138) with body temperature dips in transformed and recalculated diurnal high body temperatures predict an ovulation event and provide an indication through a zenith based ovulation indicator (106). Systems can include neural network based artificial intelligence to automatically self-improve by using historical or even other, multi user data and user input and improve its indication result.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 (Advanced/Invention)

CPC: A61B5/01 A61B5/0008 A61B5/4337 A61B10/0012 A61B2010/0019

A61D17/002



Family:

Publication number	Publication date	Application number	Application date
WO20013830 A1	20200116	WO2018US41908	20180712

Priority:

WO2018US41908 20180712

Probable Assignee: PRIMA TEMP INC

Assignee(s): (std): PRIMA TEMP INC

Inventor(s): (std): WEBSTER WADE ; POLLACK RICHARD ; HARDEN ERIC ; DAENZER CALDER ; KASIC JAMES

Inventor(s): KASIC JAMES FRANK II

Agent(s): SANTANGELO LUKE

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

6) Family number: 50501409 (US2012016258A)

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Title: WIRELESS VAGINAL SENSOR PROBE

Abstract: Embodiments of the present invention are directed to a temperature sensing device that can comprise an elastic ring structure. The temperature sensing device can further comprise a transducer device, such as a temperature sensor, and a microprocessor, memory and wireless transmitter. Such an arrangement can incorporate a passive (battery free), battery assisted or active battery powered transponder circuit with temperature measurement capability. The elastic ring structure can be forced in a spring loaded state when elastically deformed thus becoming retained when disposed in a vaginal vault. In one embodiment, an active RF receiver or an RFID reader is brought in proximity to the temperature sensing and transmitting device arrangement, such as near a woman's pelvis from the outside to read the temperature and record it in a Central Processing Unit, CPU, associated with the receiver or RFID reader, such as a portable, handheld computer or wireless device.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00

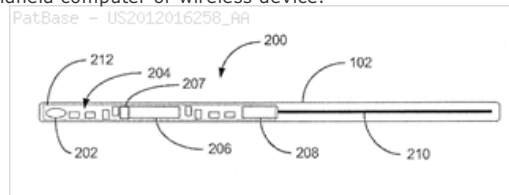
A61B5/01 (Advanced/Invention)

CPC: A61B5/0004 A61B5/4318 A61B5/0008 A61B5/002 A61B5/0031 A61B5/01 A61B5/4337 A61B10/0012 G01K1/024 G01K13/002 G01K2215/00

European: A61B10/00D A61B5/01 G01K1/02C G01K13/00B

K61B5/00B3D K61B5/00B5D K61B5/00B9 K61B5/43F3F S01K215/00

US: 600/549 600/549P 600/551



Family:

Publication number	Publication date	Application number	Application date
US2012016258 AA	20120119	US20110182565	20110714
US2014213927 AA	20140731	US20140253560	20140415
US8715204 BB	20140506	US20110182565	20110714

Priority:

US20100364034P 20100714 US20110182565 20110714 US20140253560 20140415

Probable Assignee: PRIMA TEMP INC

Assignee(s): (std): POLLACK RICHARD S ; PRIMA TEMP INC ; WEBSTER WADE W

Inventor(s): (std): POLLACK RICHARD S ; WEBSTER WADE W

Agent(s): SANTANGELO LAW OFFICES PC

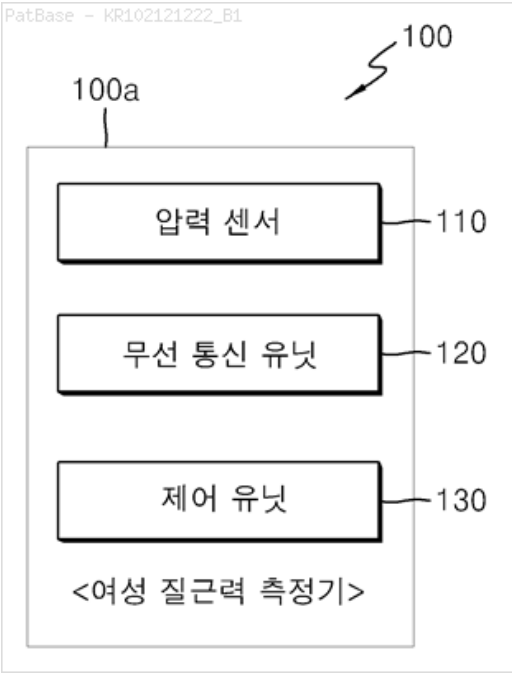
7) Family number: 79338444 (KR102121222B)

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Abstract: Source: KR102121222B **Machine translation:** In the embodiment of the present invention inserted into a woman's vagina housing; the sensing in the sensing housing is provided in the housing, a plurality of pressure sensors for measuring the pressure; the sensing housing is provided in the interior of the user of the external terminal and a wireless communication via the wireless communication unit; the pressure sensor detects a pressure measured at the user terminal by using a value of the wireless communication unit, the wireless transmission to the control unit; may include.

Classifications:

International (IPC 8-9): A61B5/00 G16H20/30 (Advanced/Invention)
CPC: A61B5/4337 A61B5/0024 A61B5/742 G16H20/30 A61B2562/0247



Family:

Publication number	Publication date	Application number	Application date
KR102121222 B1	20200610	KR20190088476	20190722

Priority:

KR20190088476 20190722

Probable Assignee:

HYE

Assignee(s):

HYE

8) Family number: 60541481 (US2015282763A)

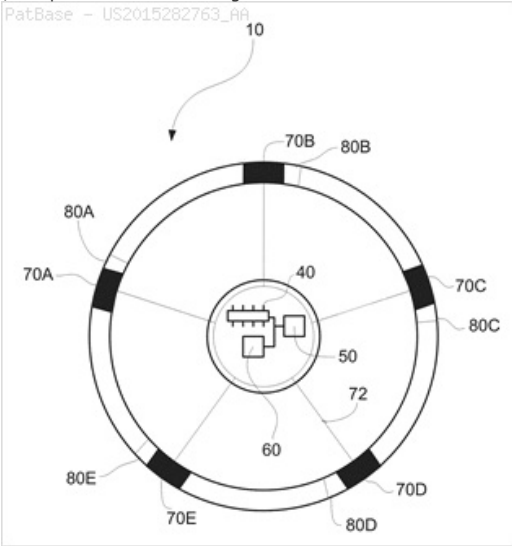
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Title: BODY CAVITY PHYSIOLOGICAL MEASUREMENT DEVICE

Abstract: Provided herein is a self-contained physiological measuring device adapted for disposition within a patient body cavity, primarily the vagina, for an extended period of time (e.g., 6-48 hours or more). While disposed within the body cavity, the device periodically measures one or more physiological parameters at known locations within the body cavity. In addition to measuring such physiological parameters, the device is operative to store such measurements to memory for subsequent download/processing upon removal of the device from the body cavity and/or upon wireless interrogation.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/11 A61B5/1455 A61M5/172 (Advanced/Invention)
CPC: A61B5/6867 A61B5/1107 A61B5/1121 A61B5/14551 A61B5/0002 A61B5/0031 A61B5/015 A61B5/4331
US: 600/301 604/503 604/66



Family:

Publication number	Publication date	Application number	Application date
US2015282763 AA	20151008	US20150678220	20150403
US9826936 BB	20171128	US20150678220	20150403

Priority:

US20140974513P 20140403 US20150678220 20150403

Probable Assignee: ROSENSHEIN BETH

Assignee(s): (std): ROSENSHEIN BETH

Inventor(s): (std): ROSENSHEIN BETH

Agent(s): RUSSELL T; MARSH FISCHMANN AND BREYFOGLE LLP

9) Family number: 52122486 (US2014088471A)

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Title: APPARATUS, SYSTEM, AND METHOD FOR TESTING AND EXERCISING THE PELVIC FLOOR MUSCULATURE

Abstract: An apparatus (100) for testing and exercising pelvic floor musculature, the apparatus comprising an elongate housing (101) adapted for a pelvic floor aperture. The housing (101) accommodates an oscillator (120) and an accelerometer (130) connected to a signal processor (140) configured for communicating signals representative of values read from the accelerometer (130). A result is calculated from an applied oscillation and a response measured, and used for characterizing the musculature. In one embodiment the frequency resulting in the greatest response from the musculature is measured, and this frequency is applied during exercise.

Classifications:

International (IPC 8-9): A61B A61B5/20 A61B5/22 A61H19/00

A61H23/02 A63B A63B23/20 A63B24/00 (Advanced/Invention)

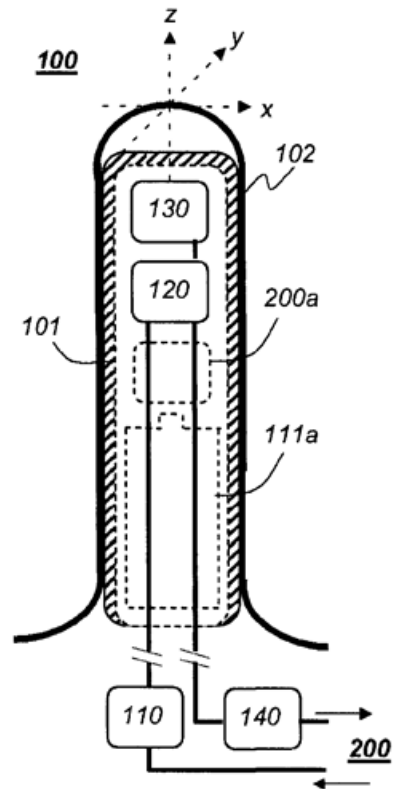
CPC: A61H19/40 A63B23/20 A61B5/227 A61B2562/0219 A63B24/0087

A63B2220/40 A63B2220/51 A63B2220/64 A63B2220/80 A63B2225/20

A63B2225/50 A63B2230/60

US: 1/1 601/89

PatBase - US2014088471_AA

**Family:**

Publication number	Publication date	Application number	Application date
CN103702610 A	20140402	CN201280027724	20120403
CN103702610 B	20170215	CN201280027724	20120403
EP2693946 A1	20140212	EP20120767978	20120403
EP2693946 A4	20150304	EP20120767978	20120403
HK1193017 A1	20140912	HK20140106654	20140702
HK1193017 B	20180406	HK20140106654	20140702
NO20110524 A	20121008	NO20110000524	20110405
NO333208 B1	20130408	NO20110000524	20110405
US2014088471 AA	20140327	US20120009429	20120403
US2017273860 AA	20170928	US20170618104	20170608
US9949888 BB	20180424	US20120009429	20120403
WO12138232 A1	20121011	WO2012NO50058	20120403

Priority:

NO20110000524 20110405 WO2012NO50058 20120403 US20130009429 20131211
 US20170618104 20170608

Probable Assignee: PELVITAL AS**Assignee(s):** (std): LEIVSETH GUNNAR ; OLSEN OLE JAKOB ; PELVITAL AS ; PELVITAL USA INC**Assignee(s):** PELVITAL US**Inventor(s):** (std): OLSEN OLE JAKOB ; LEIVSETH GUNNAR**Agent(s):** NIKOLOV NIKOLAY DONTCHEV; IT AND T INTELLECTUAL PROPERTY; SKAAR ULBRICH MACARI PA; BRYN AARFLOT AS

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 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

10) Family number: 55307494 (US2013324380A)

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Title: MEDICAL EXERCISE DEVICE

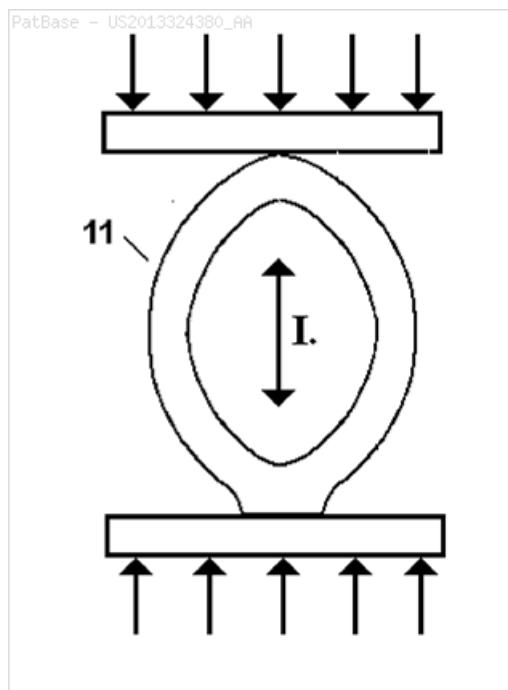
Abstract: Disclosed is an intra-vaginal device of a new and innovative design that in combination with kegel exercises or performing ones daily routine strengthens the muscles of the pelvic floor. The device employs a combination of unique shape, materials as well as carefully engineered deflection, frictional, testing and clean-ability characteristics with particular attention to a sexually neutral appearance, comfort during insertion and exercise as well as positive physical feedback to encourage prolonged and frequent use. Benefits of the device include improvement or prevention of urinary leakage and prolapse, increases in sexual intensity, to keep the uterus/bladder/rectum in place as a pessary as well as relief for women suffering from moderate prolapse. As a dilator to aid women who suffer from vaginismus. With its multiple features and benefits, the device is a vital tool in a woman's quest for a complete and balanced wellness regimen.

Classifications:

International (IPC 8-9): A61F6/06 A63B21/00 A63B21/02 A63B21/05 A63B23/20 (Advanced/Invention); A63B21/055 (Advanced/Non-invention)

CPC: A63B2071/0655 A63B23/20 A61F6/06 A63B21/026 A63B21/05 A63B21/055 A63B21/0552 A63B21/0555 A63B21/02

US: 1/1 482/121 482/131

**Family:**

Publication number	Publication date	Application number	Application date
US2013324380 AA	20131205	US20120488333	20120604
US2013324381 AA	20131205	US20130909623	20130604
US2016016040 AA	20160121	US20150789621	20150701
US9095744 BB	20150804	US20130909623	20130604

Priority:

US20120488333 20120604 US20130909623 20130604 US20150789621 20150701

Probable Assignee: HORSLEY CARYN M**Assignee(s):** (std): HORSLEY CARYN M**Inventor(s):** (std): HORSLEY CARYN M**Agent(s):** LYMAN; KENNETH**11) Family number: 59694577** (US2016346610A)

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Title: SYSTEM AND METHOD FOR KEGEL TRAINING

Abstract: A system and method for optimizing a patient's Kegel exercises is provided. The system includes a user interface device and a vaginal device. The vaginal device includes an intra-vaginal probe having an accelerometer that is configured to generate a signal in response to movement of the probe. The user interface device is connected to the vaginal device and analyzes signals from the accelerometer to provide physiological feedback information to the patient. The vaginal device may be connected to the user interface device via wireless communications such as Bluetooth or by wire. The user interface device may be a smart device or a computer that transmits information to central web-based data server accessible by the patient or authorized healthcare providers or third-party payers.

Classifications:

International (IPC 8-9): A61B19/00 A61B5/11 A61B5/22 A61B90/00 A61H1/00 A61H19/00 A63B23/20 A63B24/00 A63B71/00 A63B71/06 G09B5/02 H04L29/08 H04W4/00 (Advanced/Invention); A61H19/00 A63B24/00 A63B71/00 (Core/Invention)

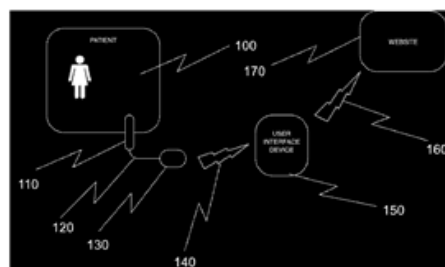
CPC: A61B5/1107 A61B5/227 A61B5/4337 A61B5/486 A61B5/743 A61B2562/0219 H04W4/80 A63B23/20 A63B24/0062 A63B2220/40 G09B5/02 H04L67/10

US: 1/1 482/8

JP F-Term: 4C046 4C046/AA35 4C046/AA47 4C046/BB15 4C046/DD36 4C046/EE06 4C046/EE10 4C046/EE15 4C046/EE17 4C046/EE22 4C046/EE23 4C046/EE25 4C046/EE32 4C046/EE33

JP F-Index: A61H1/00

PatBase - US2016346610_AA



Family:

Publication number	Publication date	Application number	Application date
AU2015203940 AA	20160721	AU20150203940	20150106
AU2019240720 AA	20191024	AU20190240720	20191005
CA2936061 AA	20160706	CA20152936061	20150106
EP3091932 A1	20161116	EP20150733078	20150106
EP3091932 A4	20170913	EP20150733078	20150106
JP2017504450 T2	20170209	JP20160562734T	20150106
MX2016008827 A1	20170215	MX20160008827	20150106
US2016346610 AA	20161201	US20150109807	20150106
WO15103629 A1	20150709	WO2015US10356	20150106

Priority:

US20140923997P 20140106 AU20150203940 20150106 WO2015US10356 20150106
US20150109807 20150106 AU20190240720 20191005

Probable Assignee: REMENDIUM LABS LLC

Assignee(s): (std): REMENDIUM LABS LLC

Assignee(s): ZWIERSTRA JAN B ; TRCKA MILAN V ; SCHAEFER KAITLIN B ; PATEL HIMANSHU ; NASH SEAN C ; MISHELEVICH DAVID J ; LOKRE JAHNAVI ; IGLESIAS RAMON JOSE ; GIFFORD AARON ; DUNLOP TREVOR

Inventor(s): (std): AARON GIFFORD ; DAVID J MISHELEVICH ; DUNLOP TREVOR ; GIFFORD AARON ; HIMANSHU PATEL ; IGLESIAS RAMON JOSE ; JAHNAVI LOKRE ; JAN B ZWIERSTRA ; KAITLIN B SCHAEFER ; LOKRE JAHNAVI ; MILAN V TRCKA ; MISHELEVICH DAVID J ; NASH SEAN C ; PATEL HIMANSHU ; RAMON JOSE IGLESIAS ; SCHAEFER KAITLIN B ; SEAN C NASH ; TRCKA MILAN V ; TREVOR DUNLOP ; ZWIERSTRA JAN B

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; KIERDORF RITSCHER RICHLY; SUNG LAWRENCE M 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

12) Family number: 76189653 (WO19199819A1)

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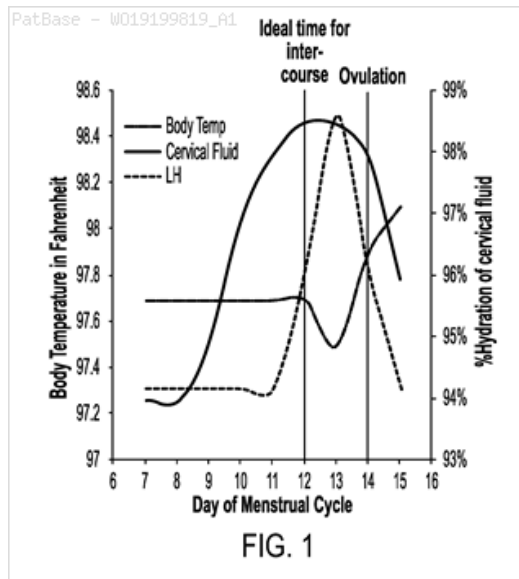
Title: INTRAVAGINAL SYSTEM FOR MENSTRUAL CYCLE MONITORING

Abstract: A menstrual cycle monitoring system can be used to monitor fertility. The menstrual cycle monitoring system can comprise an intravaginal body which includes a hydration sensing probe(s) and/or sensor(s) and a temperature sensor oriented to measure bioelectrical impedance, resistance and/or conductance within cervical mucus and/or the vaginal environment and basal body temperature, respectively. A data communication unit stores and optionally transmits collected fertility data which includes at least the measured bioelectrical impedance, resistance and/or conductance and temperature over time. A power source can be electrically coupled to the hydration sensing probe(s) and / or sensor(s), temperature sensor and the data communication unit.

Classifications:

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

CPC: A61B5/00



Family:

Publication number	Publication date	Application number	Application date
WO19199819 A1	20191017	WO2019US26573	20190409

Priority:

US20180655044P 20180409

Probable Assignee: AOKI JONI

Assignee(s): (std): AOKI JONI ; CHEN JUNE ; HEFFERNAN RONALD ; HONG YOUNG ; RYAN JEANNA

Inventor(s): (std): CHEN JUNE ; HEFFERNAN RONALD ; HONG YOUNG ; AOKI JONI ; RYAN JEANNA

Agent(s): ANDERSON JOSEPH P 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 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

13) Family number: 22107665 (US2830582A)

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Title: PESSARY INTRODUCER

Abstract: (Claim 1) 1. What I claim is: cap -is detachably retaindd on the rod-like member by friction between the cap and said recess and lugs.

Classifications:

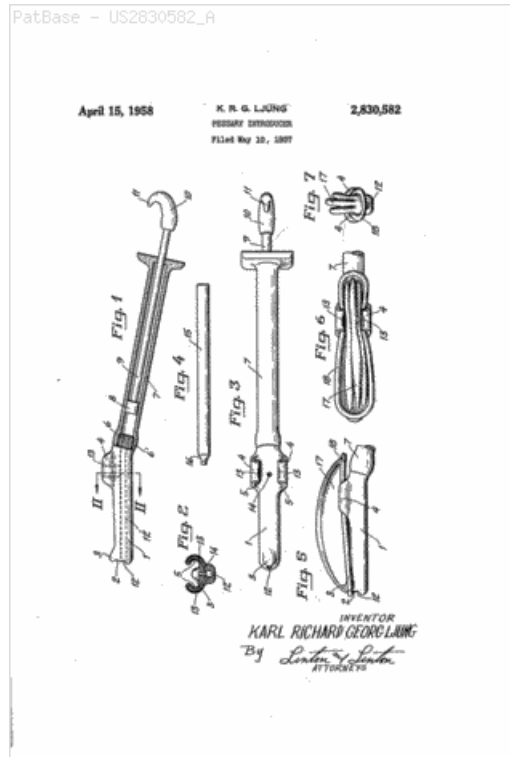
International (ipc 8-9): A61F6/12 (Advanced/Invention);
A61F6/00 (Core/Invention)

International (ipc 1-7): A61F5/46

CPC: A61F6/12

European: A61F6/12

US: 128/838 D24/141

**Family:**

Publication number	Publication date	Application number	Application date
US2830582 A	19580415	US19570658319	19570510

Priority:

19560512 US19570658319 19570510

Probable Assignee:

GEORG LJUNG KARL RICHARD

Assignee(s): (std):

GEORG LJUNG KARL RICHARD

Inventor(s): (std):

GEORG LJUNG KARL RICHARD

Inventor(s):

LJUNG KARL RICHARD GEORG

14) Family number: 76356754 (WO19210204A1)

© PatBase

Title: DEVICES, SYSTEMS, AND METHODS FOR TREATING URINARY AND FECAL INCONTINENCE

Abstract: Featured are intravaginal devices and electrical stimulation devices, systems, thereof, and methods of using the devices and systems thereof to observe pelvic floor movements in order to diagnose, treat, or prevent urinary and fecal incontinence disorders (e.g., urge incontinence) and their accompanying symptoms or to diagnose and/or improve the efficacy of neuromodulation therapy.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/22 A61N1/05

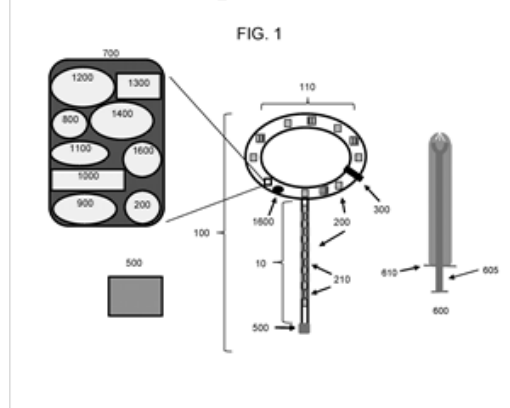
A61N1/36 (Advanced/Invention)

CPC: A61N1/0558 A61N1/36007 A61N1/36139 A61N1/37217 A61B5/0002

A61B5/11 A61B5/1104 A61B5/1122 A61B5/20 A61B5/227 A61B5/4318

A61B5/746

PatBase - WO19210204_A1

**Family:**

Publication number	Publication date	Application number	Application date
WO19210204 A1	20191031	WO2019US29400	20190426

Priority:

US20180663844P 20180427

Probable Assignee: RENOVIA INC

Assignee(s): (std): RENOVIA INC

Inventor(s): (std): BOHORQUEZ JOSE ; BEER MARC ; PULLIAM SAMANTHA ; MCKINNEY JESSICA

Inventor(s): PULLIAM SAMANTHA J ; MCKINNEY JESSICA L ; BEER MARC D

Agent(s): ARMSTRONG TODD

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

15) Family number: 55979769 (US2014073879A)

© PatBase

Title: SYSTEM FOR MONITORING PREGNANCY IN MAMMALS

Abstract: A system is disclosed for long term, continuous, monitoring of pregnant mammals particularly to detect the onset of preterm labor. For example, the system enables communication between sensors and a collection unit for transmittal to a remote unit for display and monitoring of the collected data by a clinician while the individual is ambulatory and not in the presence of the clinician.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/053 A61B5/145

A61B5/1473 A61D17/00 A61F6/08 H01Q7/00 (Advanced/Invention)

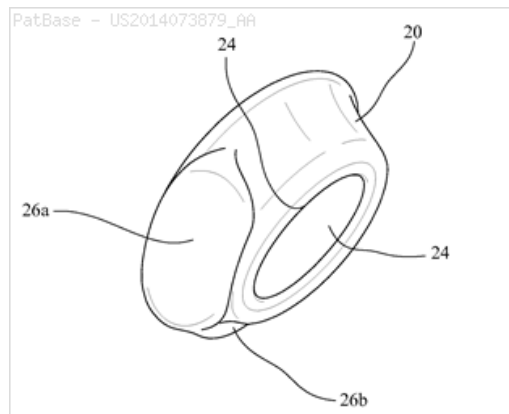
CPC: A61F6/08 A61B5/0011 A61B5/0022 A61B5/01 A61B5/053

A61B5/14539 A61B5/6875 A61B5/7275 A61B5/746 A61D17/008

G16H40/63 G16H50/30 A61B5/0002 A61B5/0538 A61B5/1473 A61B5/435

A61B5/6847 A61B2560/0214 A61B2562/16 H01Q7/00

US: 1/1 600/301 600/304



Family:

Publication number	Publication date	Application number	Application date
US2014073879 AA	20140313	US20120611265	20120912
US2017035347 AA	20170209	US20160333248	20161025
US2019192064 AA	20190627	US20190292579	20190305

Priority:

US20120611265 20120912 US20160333248 20161025 US20190292579 20190305

Probable Assignee: MB DEVICE LLC

Assignee(s): (std): ABRAMOV VASILY ; CANTOR DIVYA ; MB DEVICE LLC ; MD DEVICE LLC ; SIMON BARRY ; VANDERBURGH JOHN E ; WHITE JOSHUA ; PHELPS DAVID

Inventor(s): (std): CANTOR DIVYA ; ABRAMOV VASILY ; SIMON BARRY ; VANDERBURGH JOHN E ; WHITE JOSHUA ; PHELPS DAVID ; VANDERBURGH JOHN ; ABRAMOV VASILY

16) Family number: 76189826 (WO19200222A1)

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Title: DEVICES, SYSTEMS, AND METHODS FOR TRAINING PELVIC FLOOR MUSCLES

Abstract: Featured are intravaginal devices and methods of using the devices to observe the state of an individual's pelvic floor muscles in order to diagnose, treat, or prevent pelvic floor disorders (e.g., pelvic organ prolapse and incontinence) and their accompanying symptoms and methods of using the devices to treat or prevent vaginal disorders (e.g., skin laxity) in a subject using an energy transmitter (e.g., a radiofrequency transmitter). Also featured are algorithms to detect pelvic floor movements and physiological indicia from sensor data.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/22

A63B23/20 (Advanced/Invention)

CPC: A63B23/20 A61B5/02055 A61B5/021 A61B5/024 A61B5/029

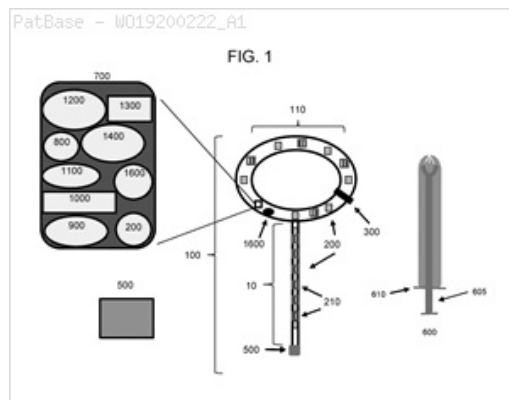
A61B5/0816 A61B5/1102 A61B5/1104 A61B5/1107 A61B5/1114

A61B5/1118 A61B5/1121 A61B5/14539 A61B5/14551 A61B5/202

A61B5/224 A61B5/4337 A61B5/4833 A61B5/4869 A61B5/6867

A61B5/7203 A61B5/7239 A61B5/746 A61B2505/09 A61B2562/0219

A61B2562/029

**Family:**

Publication number	Publication date	Application number	Application date
WO19200222 A1	20191017	WO2019US27168	20190412

Priority:

US20180657585P 20180413

Probable Assignee: RENOVIA INC**Assignee(s):** (std): RENOVIA INC**Inventor(s):** (std): BOHORQUEZ JOSE ; BEER MARC ; PULLIAM SAMANTHA ; MCKINNEY JESSICA**Inventor(s):** PULLIAM SAMANTHA J ; MCKINNEY JESSICA L ; BEER MARC D**Agent(s):** ARMSTRONG TODD

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

17) Family number: 78768828 (WO20092343A1)

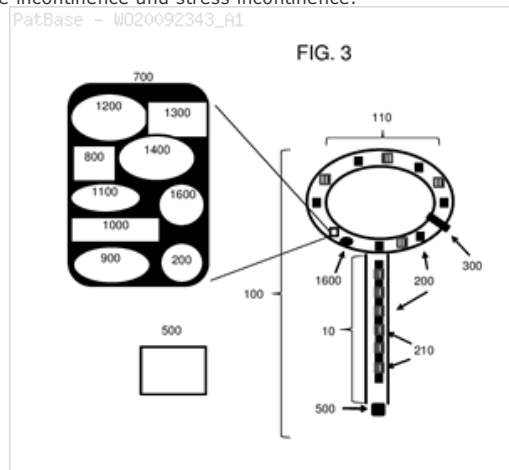
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Title: DEVICES, SYSTEMS, AND METHODS FOR MONITORING BLADDER FUNCTION

Abstract: Featured are urodynamic catheters, intravaginal devices, and intrarectal devices, systems and kits thereof, and methods of using the devices, systems, and kits to observe pelvic floor movements in order to monitor bladder function in order to diagnose, treat, or prevent urinary incontinence disorders, such as urge incontinence and stress incontinence.

Classifications:**International (IPC 8-9):** A61B5/20 (Advanced/Invention)**CPC:** A61B5/20

PatBase - WO20092343_A1

**Family:**

Publication number	Publication date	Application number	Application date
WO20092343 A1	20200507	WO2019US58527	20191029

Priority:

US20180752987P 20181030

Probable Assignee: RENOVIA INC**Assignee(s):** (std): RENOVIA INC**Inventor(s):** (std): BEER MARC ; MCKINNEY JESSICA ; PULLIAM SAMANTHA**Inventor(s):** PULLIAM SAMANTHA J ; MCKINNEY JESSICA L ; BEER MARC D**Agent(s):** ARMSTRONG RICHARD TODD

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

18) Family number: 49961851 (US2013237771A)

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Title: FLEXIBLE RING PESSARY

Abstract: The present disclosure suggests an apparatus for determining at least one parameter in the vaginal channel of a user. The apparatus comprises a flexible pessary and a measurement unit comprising at least one sensor for measuring the at least one vaginal parameter. The measurement unit is reversibly mountable to the flexible pessary.

Classifications:

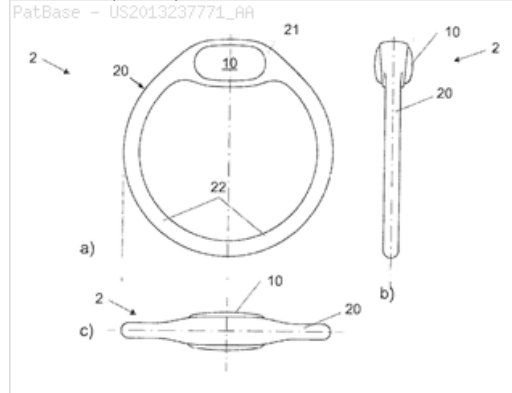
International (IPC 8-9): A61B10/00 A61B5/00 A61B5/01

A61F6/08 (Advanced/Invention)

CPC: A61B5/4337 A61B5/01 A61B5/0002 A61B5/6813 A61B10/0012

A61F6/08 A61B2010/0019

US: 1/1 128/834 600/301 600/549 600/551



Family:

Publication number	Publication date	Application number	Application date
DE602012015875 D1	20160428	DE201260015875T	20120906
EP2567680 A1	20130313	EP20120183405	20120906
EP2567680 B1	20160323	EP20120183405	20120906
GB201115592 A0	20111026	GB20110015592	20110909
US2013237771 AA	20130912	US20120606255	20120907
US9314227 BB	20160419	US20120606255	20120907

Priority:

GB20110015592 20110909 EP20120183405 20120906

Probable Assignee: VIVOSENSMEDICAL GMBH

Assignee(s): (std): RUNKEWITZ HOLGER ; VIVOSENS MEDICAL GMBH ; VIVOSENSMEDICAL GMBH ; ZIEGNER ANDREAS

Inventor(s): (std): ZIEGNER ANDREAS ; RUNKEWITZ HOLGER

Agent(s): SCHREITER CHRISTOPH; JA LINDEMAN AND CO PLLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

19) Family number: 32626863 (US2006036188A)

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Title: PERINEOMETER WITH WIRELESS BIOFEEDBACK

Abstract: A perineometer for home or clinical use assesses the strength of pelvic floor muscles and provides audible and visual biofeedback signals as training aids during pelvic exercises. Impedance signals proportional to vaginal contraction pressure forces are developed by a transducer sleeve that is mounted on a vaginal probe. A battery-powered RF transmitter module contained within the probe transmits wireless impedance signals to hand-held receiver equipped with an audio-visual display monitor. The probe reacts the pelvic contraction forces and thus provides a direct tactile feedback signal that is used in combination with audible and visual feedback signals for improving the endurance and strength of pelvic floor muscles.

Classifications:

International (IPC 8-9): A61B5/103 A61H1/00 A63B21/00 A63B23/00

A63B23/20 A63B71/00 (Advanced/Invention);

A61B5/103 A61H1/00 A63B21/00 A63B23/00 A63B71/00 (Core/Invention)

CPC: Y10S128/905 A63B21/00 A61B5/7405 A61B5/053 A61B5/0002

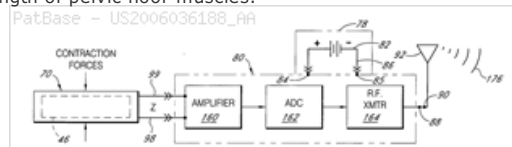
A61B5/0538 A61B5/227 A63B23/20 A63B2071/0625 A63B2220/51

A61B5/7455

European: A61B5/00B A61B5/053 A61B5/053N A61B5/22D4 A63B21/00

A63B23/20 K63B220/51 K63B71/06D2A

US: 128/25 128/903 128/903S 128/905 128/905S 482/148 600/29 600/591 600/591P 601/46 601/46S 601/591 606/591



Family:

Publication number	Publication date	Application number	Application date
CA2628811 AA	20080506	CA20062628811	20061108
CA2628811 C	20110104	CA20062628811	20061108
GB200810423 A0	20080709	GB20080010423	20061108
GB2446545 A1	20080813	GB20080010423	20061108
GB2446545 B2	20110119	GB20080010423	20061108
US2006036188 AA	20060216	US20050268923	20051108

US2007112284 AA	20070517	US20070621796	20070110
US2010087757 AA	20100408	US20090633567	20091208
US7628744 BB	20091208	US20070621796	20070110
US7645220 BB	20100112	US20050268923	20051108
US7955241 BB	20110607	US20090633567	20091208
WO07056559 A1	20070518	WO2006US43751	20061108

Priority:

US20050268923 20051108 WO2006US43751 20061108 US20070621796 20070110
US20090633567 20091208

Probable Assignee: ANATOSOL LLC

Assignee(s): (std): ENGLAND MICHAEL J ; ENGLAND MICHAEL JOHN ; HOFFMAN CRAIG A ; HOFFMAN GERRY M ; ANATASOL LLC ; ANATOSOL L L C

Assignee(s): ANATOSOL LLC ; ANATSOL LLC

Inventor(s): (std): ENGLAND MICHAEL J ; ENGLAND MICHAEL JOHN ; HOFFMAN CRAIG A ; HOFFMAN GERRY M

Inventor(s): MICHAEL JOHN ENGLAND ; HOFFMAN GERRY ; HOFFMAN CRAIG ; GERRY M HOFFMAN ; ENGLAND MICHAEL ; CRAIG A HOFFMAN

Agent(s): PARLEE MCLAWS LLP; HAUGEN J JAY; DENNIS T GRIGGS; SCOTT T GRIGGS; GRIGGS BERGEN LLP; DENNIS T; SCOTT T; GRIGGS BERGIN 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 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 MG MK ML MN MR 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 ZA ZM ZW

20) Family number: 32843908 (US2006084848A)

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Title: APPARATUS AND METHODS FOR MONITORING SUBJECTS

Abstract: This invention provides a device, and method and system for its use, for monitoring participants in clinical trials so that participant self-reporting, which is known to be notoriously inaccurate, can be minimized or eliminated. In preferred embodiments, the device is self-contained and self-powered, resides on or in a body cavity of the participant, collects data monitoring medically relevant aspects of the participant's behavior and of the local device environment, and stores data in a memory on-board the device. An accompanying external station reads stored data and prepares it for use. Devices may include electrically-active sensors and non-electrical active sampling sensors. A preferred embodiment of the device is in clinical trials of microbicides inhibiting transmission of the HIV virus.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/103 (Advanced/Invention);

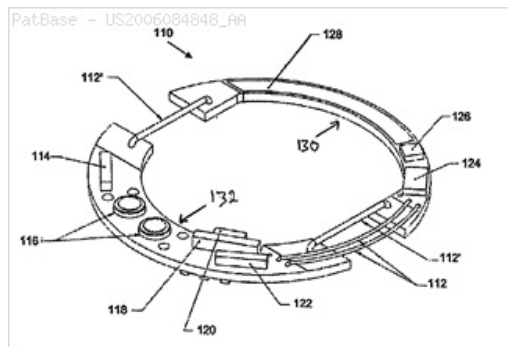
A61B5/00 A61B5/103 (Core/Invention)

CPC: A61B5/7232 A61B5/01 A61B2562/0219 A61B5/002 A61B5/14532

A61B5/411 A61B5/14539

European: A61B5/00B A61B5/145J A61B5/41B K61B5/01 K61B562/02C

US: 128/903 128/903S 600/301 600/301P 600/549 600/549S 600/573 600/573S 600/591 600/591S 600/595 600/595S



Family:

Publication number	Publication date	Application number	Application date
AU2005295663 AA	20060427	AU20050295663	20051014
AU2005295663 AB	20101014	AU20050295663	20051014
BRPI0518144 A	20081028	BR2005PI18144	20051014
CA2583788 AA	20060427	CA20052583788	20051014
EP1809168 A2	20070725	EP20050808929	20051014
US2006084848 AA	20060420	US20040965010	20041014
WO06044619 A2	20060427	WO2005US36966	20051014
WO06044619 A3	20090507	WO2005US36966	20051014

Priority:

US20040965010 20041014 WO2005US36966 20051014

Probable Assignee: INT PARTNERSHIP FOR MICROBICIDES

Assignee(s): (std): MITCHINICK MARK ; MITCHINICK MARK

Assignee(s): INT PARTNERSHIP FOR MICROBICIDES ; MARK MITCHINICK

Inventor(s): (std): MITCHINICK MARK ; MITCHINICK MARK

Inventor(s): MARK MITCHINICK

Agent(s): CULLENS PTY LTD; SPRUSON AND FERGUSON; CULLENS PATENT AND TRADE MARK ATTORNEYS; GOWLING LAFLEUR HENDERSON LLP; DWIGHT H RENFREW ESQ OHLANDT GREELEY RUGGIERO AND PERLE 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 KP KR KZ LC LI 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DEVICE AND METHOD FOR SENSING, GUIDING, AND/OR TRACKING PELVIC EXERCISE

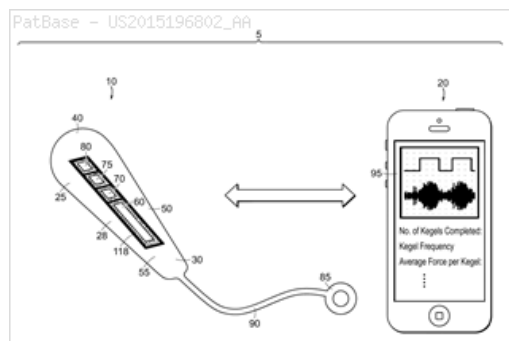
Abstract: Devices such as medical devices, including those for use in conducting pelvic muscle exercise, are generally provided. Embodiments herein relate generally to the medical device and consumer medical product fields, and in some embodiments, to a device for sensing, guiding, and/or tracking pelvic muscle exercise in men and women for the purpose of treating urinary incontinence, sexual dysfunction, and other pelvic conditions.

Classifications:

International (IPC 8-9): A61B5/22 A61H21/00 A63B21/00 A63B21/002 A63B21/008 A63B21/02 A63B23/20 A63B24/00 A63B71/00 A63B71/06 (Advanced/Invention)

CPC: A63B24/0062 A63B21/0085 A63B2024/0009 A63B21/00189 A63B21/0023 A63B21/008 A63B21/028 A63B23/20 A63B71/0619 A63B71/0622 A63B2024/0068 A63B2071/0625 A63B2071/0655 A63B2220/13 A63B2220/51 A63B2220/56 A63B2220/64 A63B2220/801 A63B2220/803 A63B2220/833 A63B2225/50

US: 1/1 482/8



Family:

Publication number	Publication date	Application number	Application date
US2015196802 AA	20150716	US20150594749	20150112
US2016008664 AA	20160114	US20150800093	20150715
US2019009132 AA	20190110	US20180005559	20180611
US9993688 BB	20180612	US20150594749	20150112
WO15106199 A1	20150716	WO2015US11019	20150112

Priority:

US20140926407P	20140113	US20140023196P	20140711	US20150100467P	20150106
US20150594749	20150112	US20150800093	20150715	US20180005559	20180611

Probable Assignee: SKYE HEALTH INC

Assignee(s): (std): SKYE HEALTH INC

Inventor(s): (std): SIEGEL ADAM CARLYN

Agent(s): WOLF GREENFIELD AND SACKS PC; LEE JESSAMINE N

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 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