

Search strategy

Query

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20 Documents

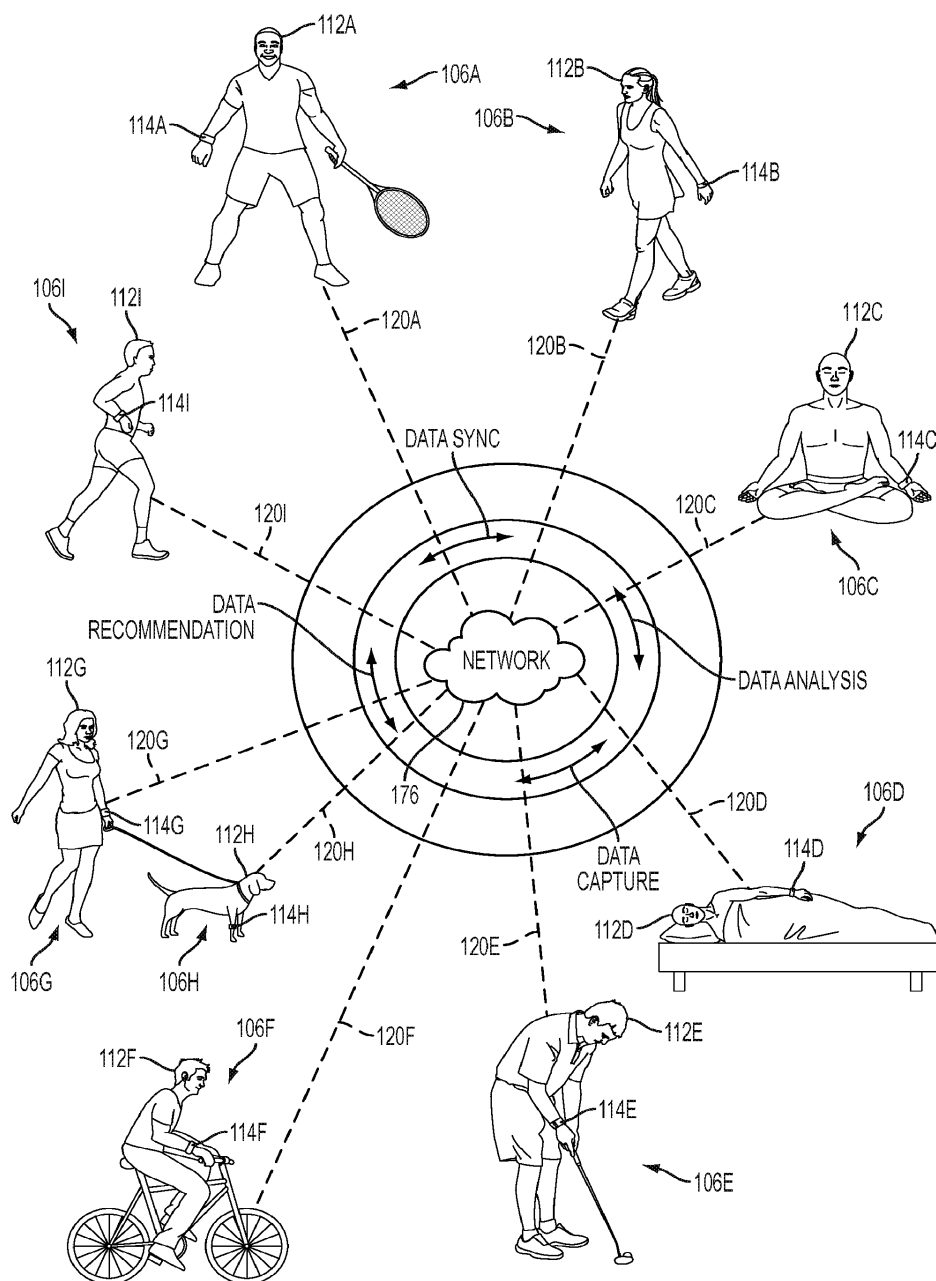
Publication numbers	Title	Current assignees
US20140156228 A1	Method of data synthesis	FITBIT
EP3005277 A1	Method, apparatus, and computer program product for performance analytics determining play models and outputting events based on real-time data for proximity and movement of objects	ZEBRA TECHNOLOGIES
US20100117837 A1	Apparatus, systems, and methods for gathering and processing biometric and biomechanical data	APPLIED TECHNOLOGY HOLDINGS, ...
US20040011366 A1	System of implantable devices for monitoring and/or affecting body parameters	BOSTON SCIENTIFIC NEUROMODULATION, ...
US8253586 B1	Athletic-wear having integral measuring sensors	MAYFONK ATHLETIC
EP3029545 A1	Sensor device with persistent low power beacon	NIKE INNOVATE
US20120143514 A1	Movement Monitoring Device For Action Sports, And Associated Methods	APPLE
EP2059310 A2	Athletic performance sensing and/or tracking system and method	NIKE
US20120083714 A1	Activity Monitoring Systems and Methods of Operating Same	FITBIT
EP3003149 A1	Motion sensor and analysis	MC10
WO200070703 A1	Method and apparatus for wireless powering and recharging	OKI ELECTRIC INDUSTRY, ...
US20190207684 A1	Method and system for shortening wireless pairing connection time by detecting an object or body	LOGITECH EUROPE
EP2525713 A2	Mouth guard with sensor	X2IMPACT, ...
EP2793976 A2	Pump system and method for acoustically estimating liquid delivery	DEKA PRODUCTS
EP2845109 A1	Modular wireless power, light and automation control	KORTEK INDUSTRY
US20170196068 A1	Methods and apparatus for wireless communication and power transfer for an external light fixture onboard a vehicle	GM GLOBAL TECHNOLOGY OPERATIONS
EP2025369 A2	Sports training system with electronic gaming features	ADIDAS INTERNATIONAL MARKETING
EP2619684 A1	Service offer set publishing to device agent with on-device service selection	HEADWATER RESEARCH
EP3616853 A1	Mobile robot and control thereof for household	IROBOT
WO200955034 A1	Surgical trajectory monitoring system and related methods	NUVASIVE

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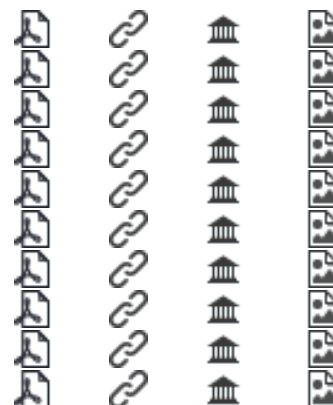
Title

(US20140156228)

Method of data synthesis

Images**Publication numbers with kind code & date**

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Abstract

(US20140156228)

Methods, devices, and computer programs are presented for consolidating overlapping data provided by multiple sources. One method includes operations for associating a plurality of devices to a user, each device operable to capture data associated with the user, and for receiving, from the plurality of devices, captured data about a first activity associated with a first period of time. Additionally, the method includes operations for detecting that the received captured data from two or more devices provide overlapping information about the first activity, and for evaluating one or more rules for consolidating the overlapping information to produce consolidated data. The consolidated data provides a unified view of the first activity during the first period of time. The consolidated data is stored in permanent storage and made available for presentation to the user.

Inventors

MOLETTIERE PETER ANDREW

YUEN SHELTON GEE JAO

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PARK JAMES

Latest standardized assignees - inventors removed

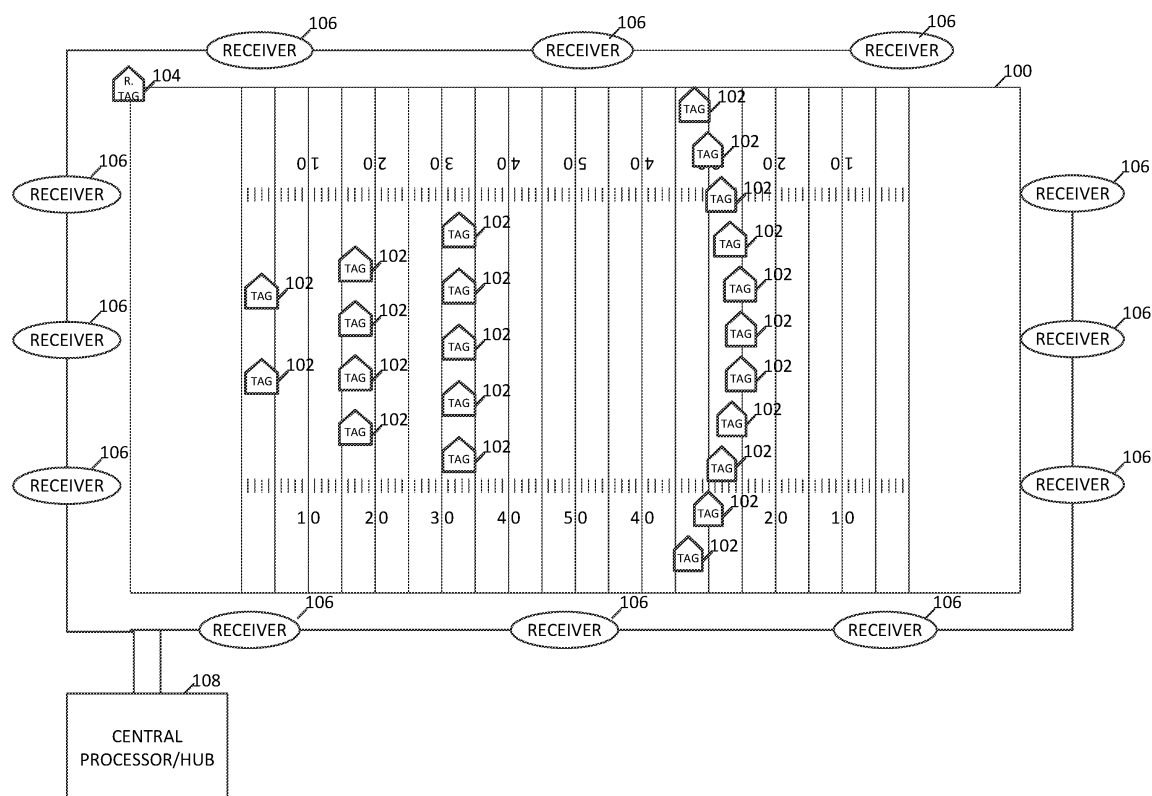
FITBIT

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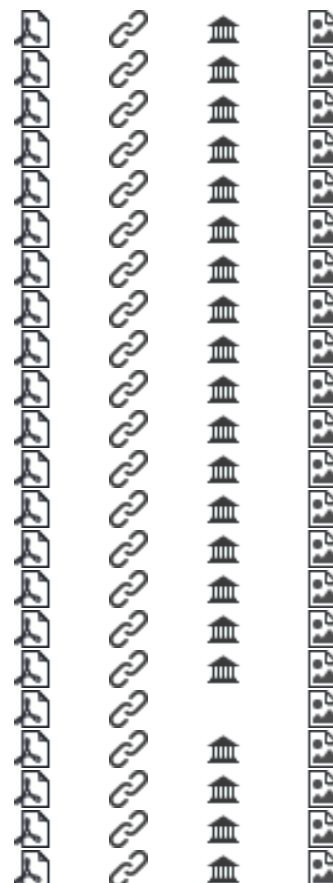
Title

(EP3005277)

Method, apparatus, and computer program product for performance analytics determining play models and outputting events based on real-time data for proximity and movement of objects

Images**Publication numbers with kind code & date**

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Abstract

(EP3005277)

Systems, methods, apparatuses, and computer readable media are disclosed for providing analytics using real time data on movement and proximity of tagged objects for determining play models and outputting events. In one embodiment, a method is provided for determining play data that at least includes correlating at least one tag to a participant; receiving blink data transmitted by the at least one tag; and determining tag location data based on the blink data. The method further includes receiving participant role data; comparing the tag location data to participant dynamics/kinetics models based at least in part on the participant role data; determining participant location data based on the comparing the tag location data to the participant dynamics/kinetics models. The method further includes receiving field data; comparing the participant location data to formation models based at least in part on the participant role data and the field data; and determining formation data based on the comparing the participant location data to the formation models. The method further includes comparing the formation data and participant location data to play models; and determining play data based on the comparing the formation data and participant location data to the play models.

Inventors

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LODWIG DEAN

Latest standardized assignees - inventors removed

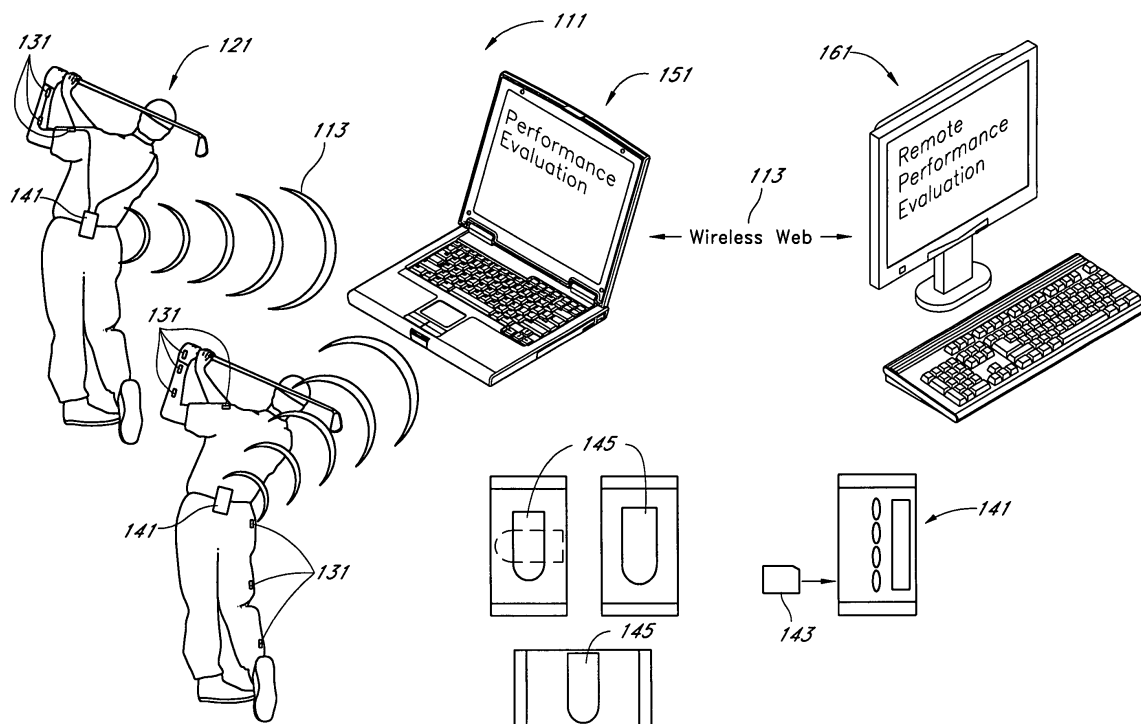
ZEBRA TECHNOLOGIES

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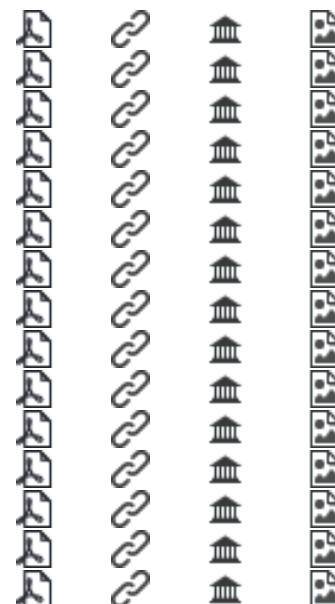
Title

(US20100117837)

Apparatus, systems, and methods for gathering and processing biometric and biomechanical data

Images**Publication numbers with kind code & date**

US20180290021	A1	2018-10-11	US20180290021
US9907997	B2	2018-03-06	US9907997
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**Abstract**

(US20100117837)

Apparatus, systems, and methods are provided for measuring and analyzing movements of a body and for communicating information related to such body movements over a network. In certain embodiments, a system gathers biometric and biomechanical data relating to positions, orientations, and movements of various body parts of a user performed during sports activities, physical rehabilitation, or military or law enforcement activities. The biometric and biomechanical data can be communicated to a local and/or remote interface, which uses digital performance assessment tools to provide a performance evaluation to the user. The performance evaluation may include a graphical representation (e.g., a video), statistical information, and/or a comparison to another user and/or instructor. In some embodiments, the biometric and

biomechanical data is communicated wirelessly to one or more devices including a processor, display, and/or data storage medium for further analysis, archiving, and data mining. In some embodiments, the device includes a cellular telephone.

Inventors

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Latest standardized assignees - inventors removed

APPLIED TECHNOLOGY HOLDINGS

NIKE

US20050256551	A1	2005-11-17	US20050256551				
US20050137648	A1	2005-06-23	US20050137648				
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US6208894	B1	2001-03-27	US6208894				
US6164284	A	2000-12-26	US6164284				

Abstract

(US20040011366)

A system for monitoring and/or affecting parameters of a patient's body and more particularly to such a system comprised of a system control unit (SCU) and one or more other devices, preferably battery-powered, implanted in the patient's body, i.e., within the envelope defined by the patient's skin. Each such implanted device is configured to be monitored and/or controlled by the SCU via a wireless communication channel. In accordance with the invention, the SCU comprises a programmable unit capable of (1) transmitting commands to at least some of a plurality of implanted devices and (2) receiving data signal from at least some of those implanted devices. In accordance with a preferred embodiment, the system operates in closed loop fashion whereby the commands transmitted by the SCU are dependent, in part, on the content of the data signals received by the SCU. In accordance with the invention, a preferred SCU is similarly implemented as a device capable of being implanted beneath a patient's skin, preferably having an axial dimension of less than 60 mm and a lateral dimension of less than 6 mm. Wireless communication between the SCU and the implanted devices is preferably implemented via a modulated sound signal, AC magnetic field, RF signal, or electric conduction.

Inventors

SCHULMAN JOSEPH H

DELL ROBERT DAN

GORD JOHN C

Latest standardized assignees - inventors removed

BOSTON SCIENTIFIC NEUROMODULATION

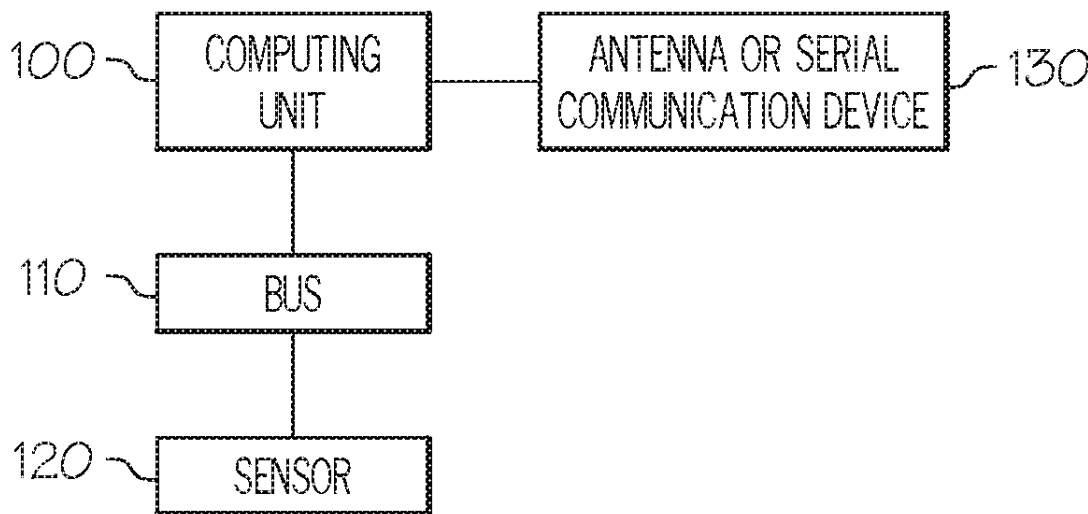
ALFRED & MANN FOUNDATION FOR SCIENTIFIC RESEARCH

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Title

(US8253586)

Athletic-wear having integral measuring sensors

Images**Publication numbers with kind code & date**

US10610761	B1	2020-04-07	US10610761
US10070817	B1	2018-09-11	US10070817
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US9456785	B1	2016-10-04	US9456785
US8957785	B1	2015-02-17	US8957785
US8860584	B1	2014-10-14	US8860584
US8253586	B1	2012-08-28	US8253586

**Abstract**

(US8253586)

A performance measuring system integrated with an article of clothing, the system has a computing unit for coordinating, processing and transmission of sensor data connected to a bus and an antenna. A sensor for measuring performance characteristics is connected to the bus; the bus facilitates transmission and reception of control and data values between the computing unit and the sensor. Also, an antenna is connected to the computing unit for communicating with other computing devices and transmission of sensor data. The other computing devices display the sensor data to a user or forward the sensor data onto another communication media such as the internet or interactive television. A social networking system sharing athletic statistics using a webservice, a personal processing unit connectible to the webservice, and a computing unit having an activity program for at least one sensor. This system has an activity update service integrally associated with the webservice.

Inventors

MATAK MARTIN

Latest standardized assignees - inventors removed

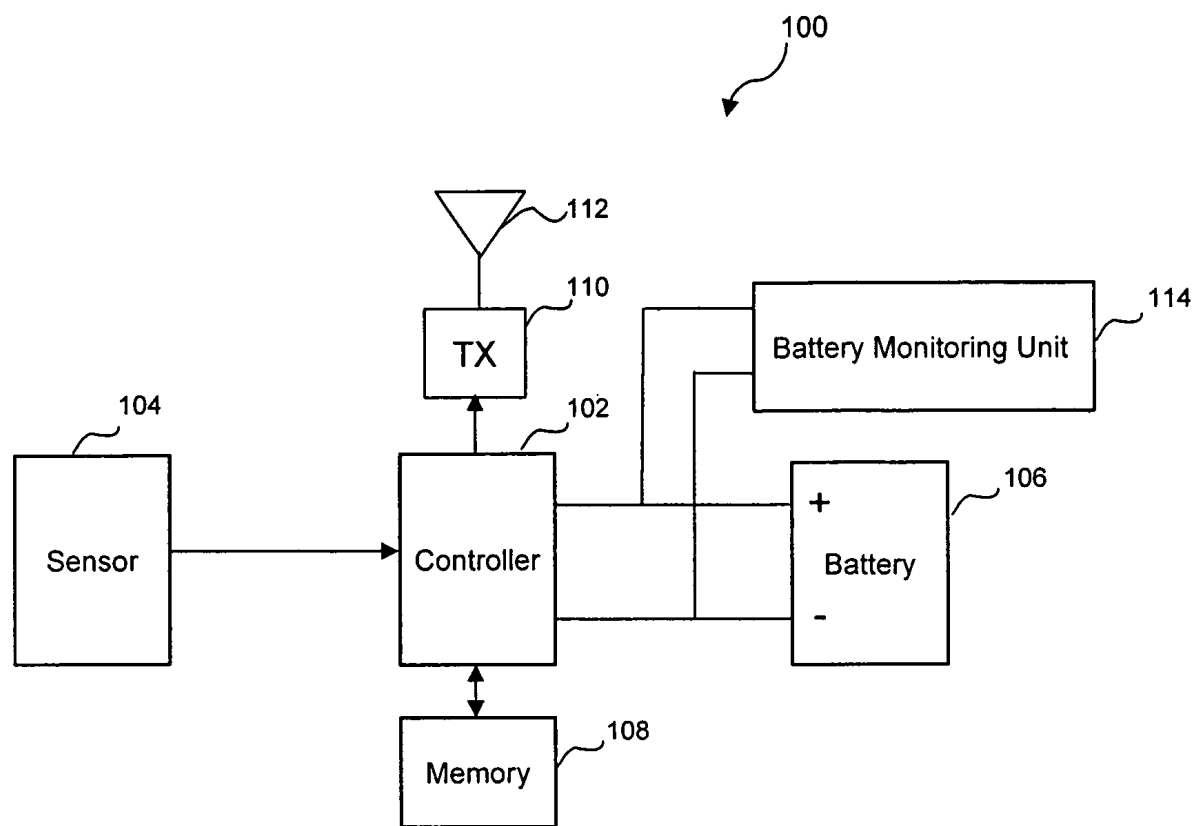
MAYFONK ATHLETIC

Family 6/20 - FAMPAT - ©Questel

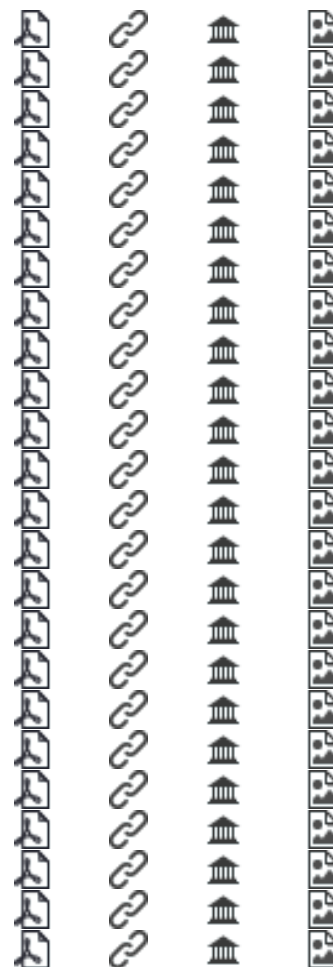
Title

(EP3029545)

Sensor device with persistent low power beacon

Images**Publication numbers with kind code & date**

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US7768415	B2	2010-08-03	US7768415
JP2010505186	A	2010-02-18	JP2010505186
CN101563664	A	2009-10-21	CN101563664
EP2076828	A2	2009-07-08	EP2076828
WO2008/042198	A3	2008-07-17	WO200842198



[WO2008/042198](#)

A2

2008-04-10

WO200842198

[US20080079589](#)

A1

2008-04-03

US20080079589

**Abstract**

(EP3029545)

One disclosed method involves providing a first device comprising a sensor configured to sense a stimulus experienced by the first device, a controller configured to process data received from the sensor and thereby obtain processed sensor data, a transmitter configured to wirelessly transmit the processed data from the first device to a second device, and a battery configured to supply power to at least the controller and the transmitter. The first device is operated in a first operational mode in which the sensor, the controller, and the transmitter are used at least occasionally to obtain and transmit processed data to the second device. When it is determined that the battery is in a low power condition, the first device is operated in a second operational mode wherein the sensor, controller, and transmitter are not used to obtain and transmit processed sensor data to the second device, but wherein the first device at least occasionally transmits a signal to the second device that indicates a low power condition of the battery.

Inventors

BLACKADAR THOMAS P

Latest standardized assignees - inventors removed

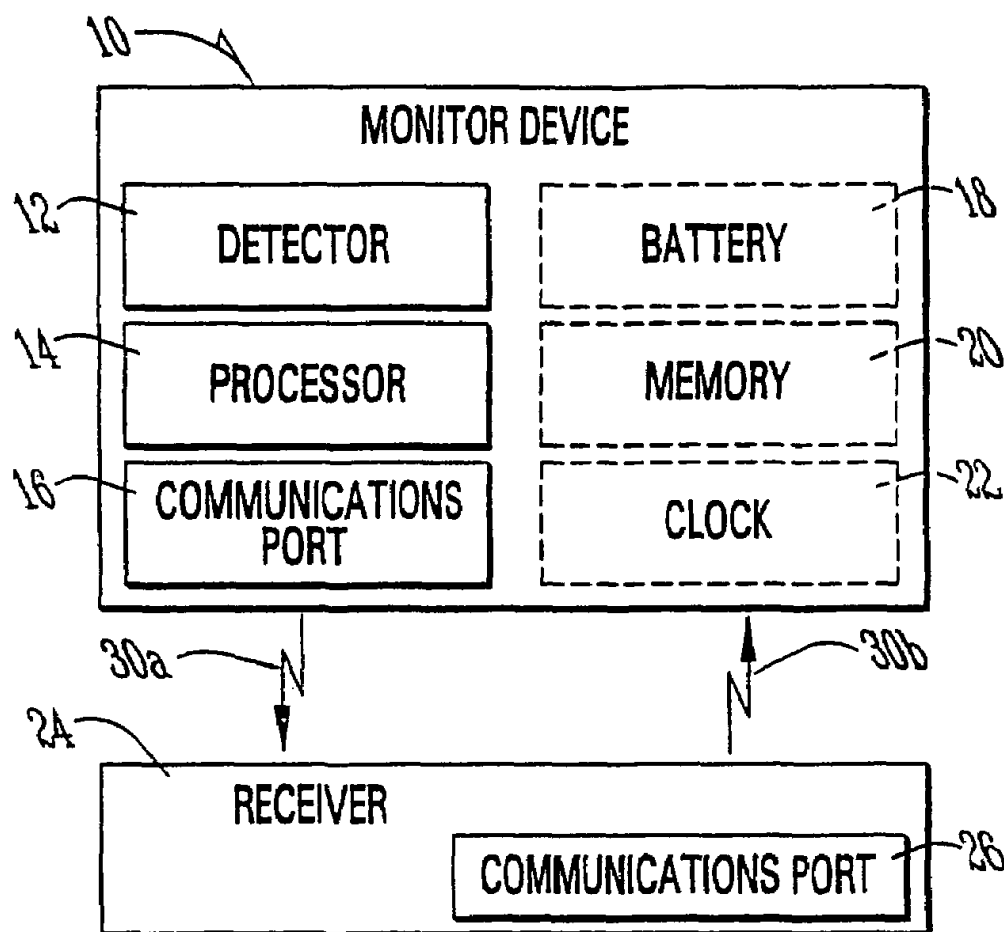
NIKE INNOVATE

Family 7/20 - FAMPAT - ©Questel

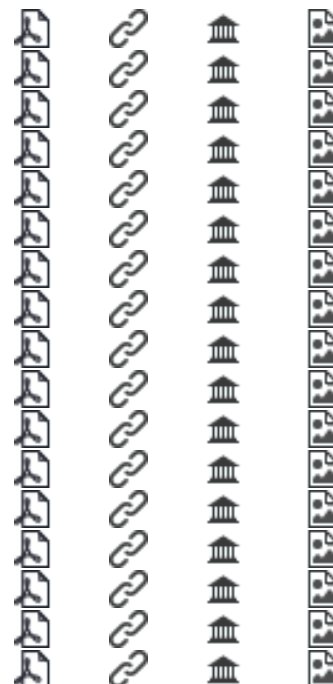
Title

(US20120143514)

Movement Monitoring Device For Action Sports, And Associated Methods

Images**Publication numbers with kind code & date**

US10427050	B2	2019-10-01	US10427050
US10406445	B2	2019-09-10	US10406445
US20190134513	A1	2019-05-09	US20190134513
US10080971	B2	2018-09-25	US10080971
US9643091	B2	2017-05-09	US9643091
US20150306505	A1	2015-10-29	US20150306505
US20150312712	A1	2015-10-29	US20150312712
US20150276396	A1	2015-10-01	US20150276396
US20150281424	A1	2015-10-01	US20150281424
US20150281811	A1	2015-10-01	US20150281811
US20140202264	A1	2014-07-24	US20140202264
US20140203972	A1	2014-07-24	US20140203972
US8688406	B2	2014-04-01	US8688406
US20130151699	A1	2013-06-13	US20130151699
US8396687	B2	2013-03-12	US8396687
US8374825	B2	2013-02-12	US8374825
US20120265477	A1	2012-10-18	US20120265477



US8280681	B2	2012-10-02	US8280681				
US20120150483	A1	2012-06-14	US20120150483				
US20120143514	A1	2012-06-07	US20120143514				
US20100076692	A1	2010-03-25	US20100076692				
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US20090212941	A1	2009-08-27	US20090212941				
US7552031	B2	2009-06-23	US7552031				
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US20070208542	A1	2007-09-06	US20070208542				
US20070111753	A1	2007-05-17	US20070111753				
US7174277	B2	2007-02-06	US7174277				
US20060052983	A1	2006-03-09	US20060052983				
US20050080566	A1	2005-04-14	US20050080566				

Abstract

(US20120143514)

A movement monitoring device (MMD) for action sports has a detector for sensing motion associated with action sports, a processor for processing data from the detector to determine one or more movement metrics, and a communications port for wirelessly relaying the movement metrics to a remote location. A method collects motion data within action sports, including: detecting motion of a person or object engaged in action sports; determining one or more events associated with the motion; and wirelessly relaying the events to a remote network. One MMD for action sports is formed within a cell phone having a detector for sensing motion associated with action sports and a processor for processing data from the detector to determine one or more movement metrics for (a) display to a person using carrying the cell phone during action sports or (b) relaying the movement metrics to an external network for review by others.

Inventors

VOCK CURTIS A

LARKIN ADRIAN F

AMSBURY BURL W

YOUNGS PERRY

Latest standardized assignees - inventors removed

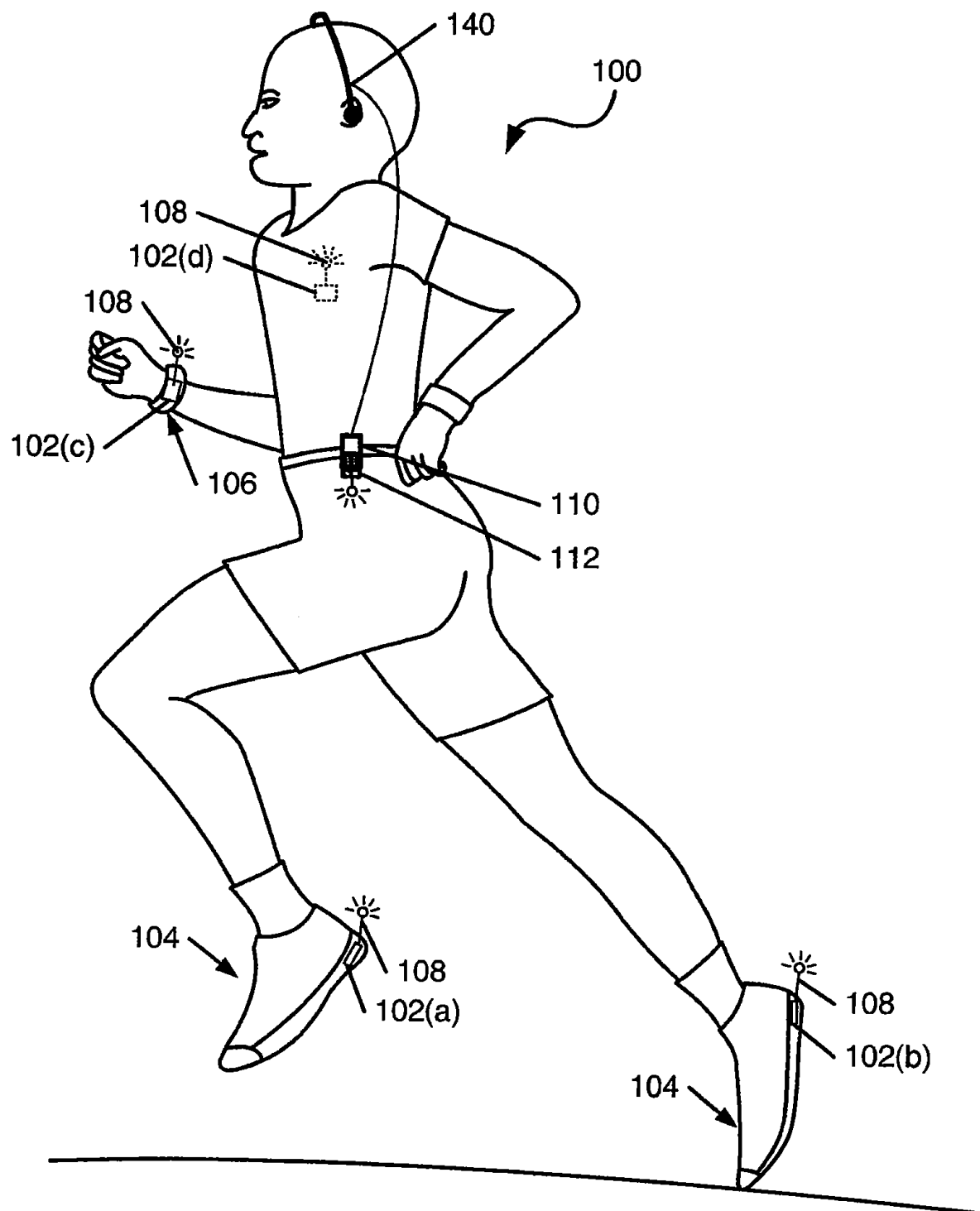
APPLE

Family 8/20 - FAMPAT - ©Questel

Title

(EP2059310)

Athletic performance sensing and/or tracking system and method

Images**Publication numbers with kind code & date**

US10303426	B2	2019-05-28	US10303426
JP6518728	B2	2019-05-22	JP6518728
US10185537	B2	2019-01-22	US10185537
US10168986	B2	2019-01-01	US10168986
US20180247706	A1	2018-08-30	US20180247706
EP2602007	B1	2018-05-23	EP2602007
US9959090	B2	2018-05-01	US9959090



JP6238857	B2	2017-11-29	JP6238857				
JP2017205542	A	2017-11-24	JP2017205542				
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US9662560	B2	2017-05-30	US9662560				
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US9656146	B2	2017-05-23	US9656146				
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US9643072	B2	2017-05-09	US9643072				
US9636566	B2	2017-05-02	US9636566				
US9623315	B2	2017-04-18	US9623315				
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EP2554224	B1	2014-08-13	EP2554224				
US20140018946	A1	2014-01-16	US20140018946				
US8568278	B2	2013-10-29	US8568278				
EP2602007	A1	2013-06-12	EP2602007				
CN103120841	A	2013-05-29	CN103120841				
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CN103007493	A	2013-04-03	CN103007493				
EP2570159	A1	2013-03-20	EP2570159				
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CN101583403	B	2012-12-12	CN101583403B				
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US20100279825	A1	2010-11-04	US20100279825				
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WO2008/030484	A3	2008-07-10	WO200830484				
US20080096726	A1	2008-04-24	US20080096726				
WO2008/030484	A2	2008-03-13	WO200830484				

(EP2059310)

Athletic performance sensing and/or tracking systems include components for measuring or sensing athletic performance data and/or for storing and/or displaying desired information associated with the athletic performance to the user (or others). Such systems can allow users a wide variety of options in creating workouts, selecting and presenting media content during the athletic performance, etc., e.g., to help keep users entertained and motivated. In some instances, user feedback may be used, optionally in combination with objective data relating to a workout, to control features of the workout routine, to control the music or other media content selected and/or presented, and/or to control features of future workout routines and/or the presented media content.

Inventors

RILEY RAYMOND W

HOFFER KEVIN W

BERNER WILLIAM E JR

SCHROCK ALLAN M

NIEGOWSKI JAMES A

RAUCHHOLZ WILLIAM F

Latest standardized assignees - inventors removed

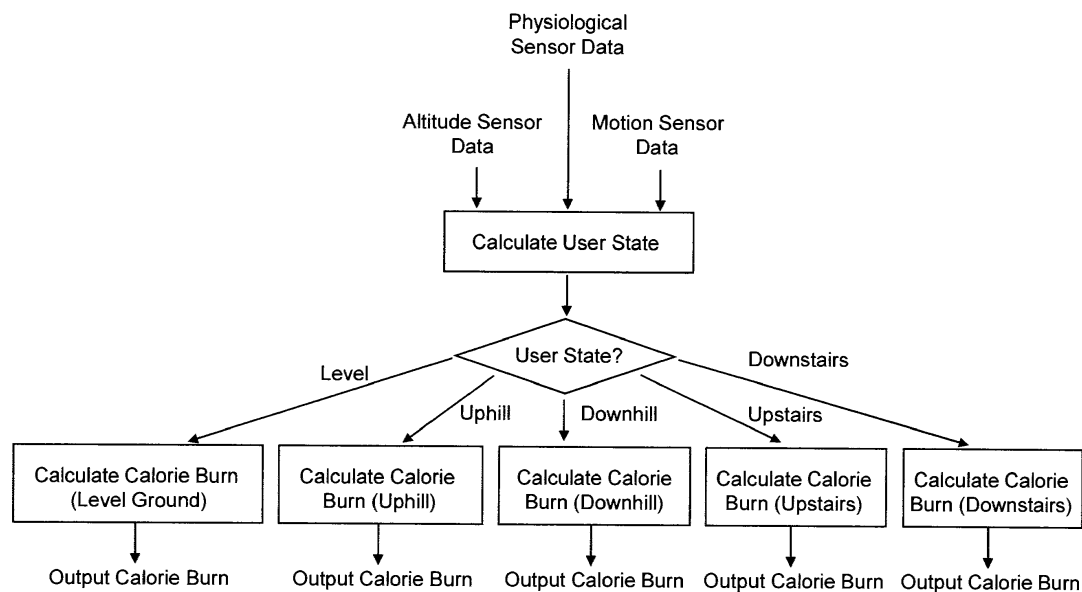
NIKE

Family 9/20 - FAMPAT - ©Questel

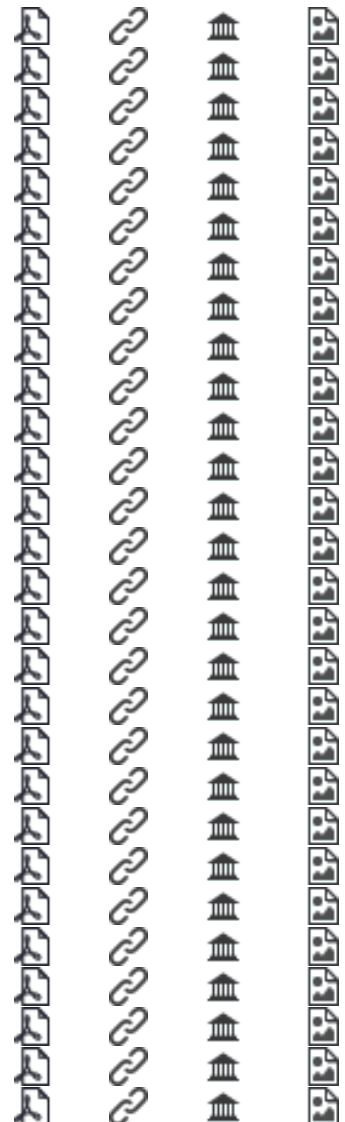
Title

(US20120083714)

Activity Monitoring Systems and Methods of Operating Same

Images**Publication numbers with kind code & date**

US20180055376	A1	2018-03-01	US20180055376
CN104683569	B	2017-07-14	CN104683569B
US9655053	B2	2017-05-16	US9655053
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US20160166156	A1	2016-06-16	US20160166156
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US8583402	B2	2013-11-12	US8583402
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US8543351	B2	2013-09-24	US8543351
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US20130073254	A1	2013-03-21	US20130073254				
US20130073255	A1	2013-03-21	US20130073255				
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US20120226471	A1	2012-09-06	US20120226471				
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US8180591	B2	2012-05-15	US8180591				
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Abstract

(US20120083714)

The present inventions, in one aspect, are directed to an activity monitoring system comprising a portable monitoring device and a base device. In one embodiment, the portable monitoring device includes a housing having a physical size and shape that is adapted to couple to the body of the user, a motion sensor, disposed in the housing, to detect motion of a user and, in response thereto, to generate data which is representative of motion of the user, processing circuitry, disposed in the housing, to calculate a calorie burn of the user and/or number of steps taken by the user using the data which is representative of motion of the user. The portable monitoring device also includes a display to display data to the user, wherein the display includes a data transfer mode to optically transmit data which is representative of the calorie burn of the user and/or number of steps taken by the user. The base device includes a visual sensor to detect the data which is representative of the calorie burn of the user and/or number of steps taken by the user transmitted by the display.

Inventors

YUEN SHEL TEN GEE JAO

PARK JAMES

FRIEDMAN ERIC NATHAN

Latest standardized assignees - inventors removed

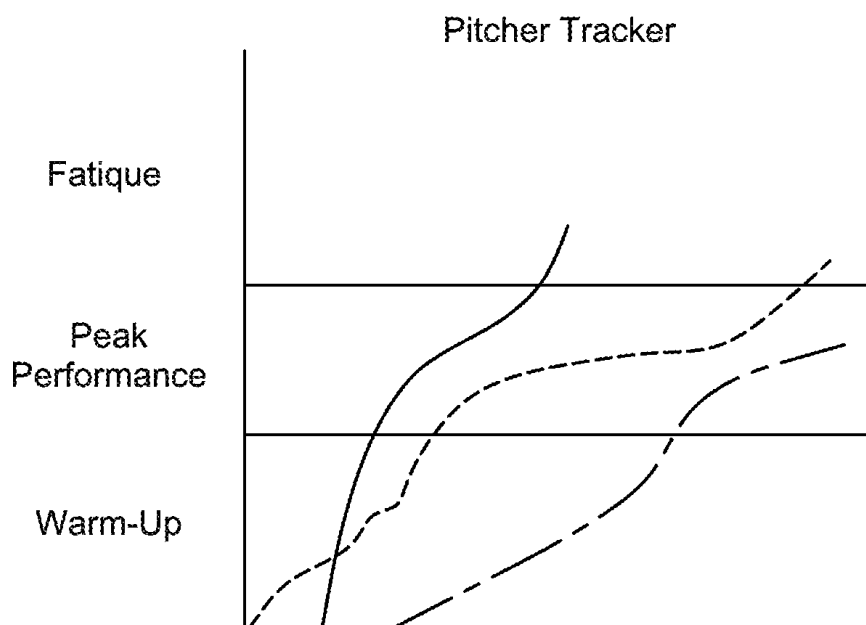
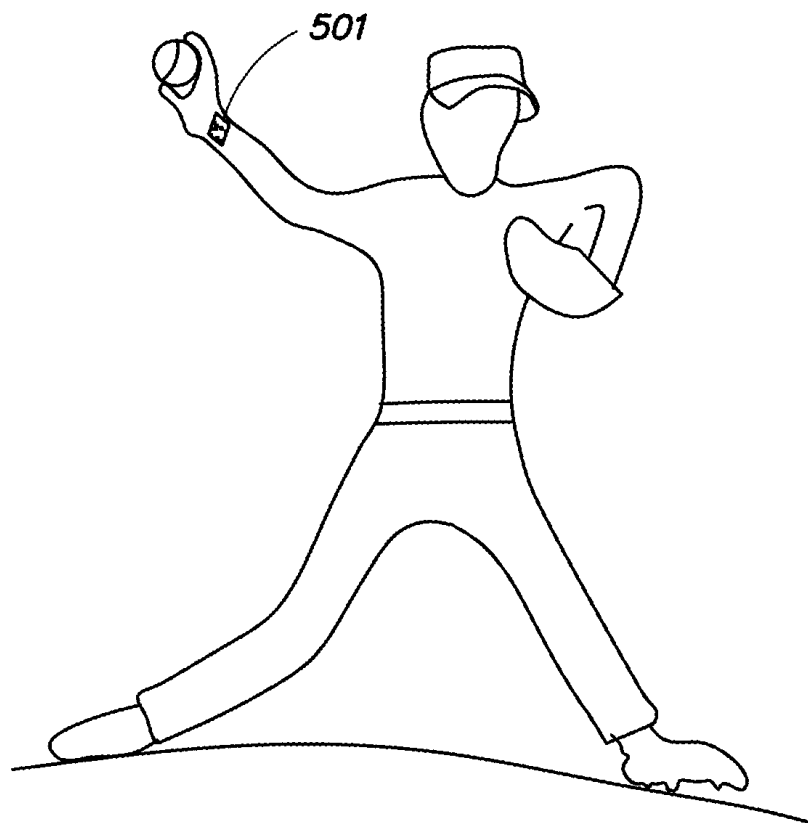
FITBIT

Family 10/20 - FAMPAT - ©Questel

Title

(EP3003149)

Motion sensor and analysis

Images

US20190154723	A1	2019-05-23	US20190154723				
EP3003149	A4	2017-06-14	EP3003149				
JP2016528943	A	2016-09-23	JP2016528943				
CN105705092	A	2016-06-22	CN105705092				
KR20160056851	A	2016-05-20	KR20160056851				
EP3003149	A1	2016-04-13	EP3003149				
US20150019135	A1	2015-01-15	US20150019135				
CA2914494	A1	2014-12-11	CA2914494				
WO2014/197443	A1	2014-12-11	WO2014197443				

Abstract

(EP3003149)

The performance of an individual is monitored based on measurements of a conformal sensor device. An example system includes a communication module to receive data indicative of a measurement of at least one sensor component of the conformal sensor device. The sensor component obtains measurement of acceleration data representative of an acceleration proximate to the portion of the individual. A comparison of a parameter computed based on the sensor component measurement to a preset performance threshold value provides an indication of the performance of the individual.

Inventors

KACYVENSKI ISAIAH
 CHENG LIVINGSTON T
 DOWLING KEVIN J
 KENDALE AMAR
 RAFFERTY CONOR

Latest standardized assignees - inventors removed

MC10

Family 11/20 - FAMPAT - ©Questel

Title

(WO200070703)

Method and apparatus for wireless powering and recharging

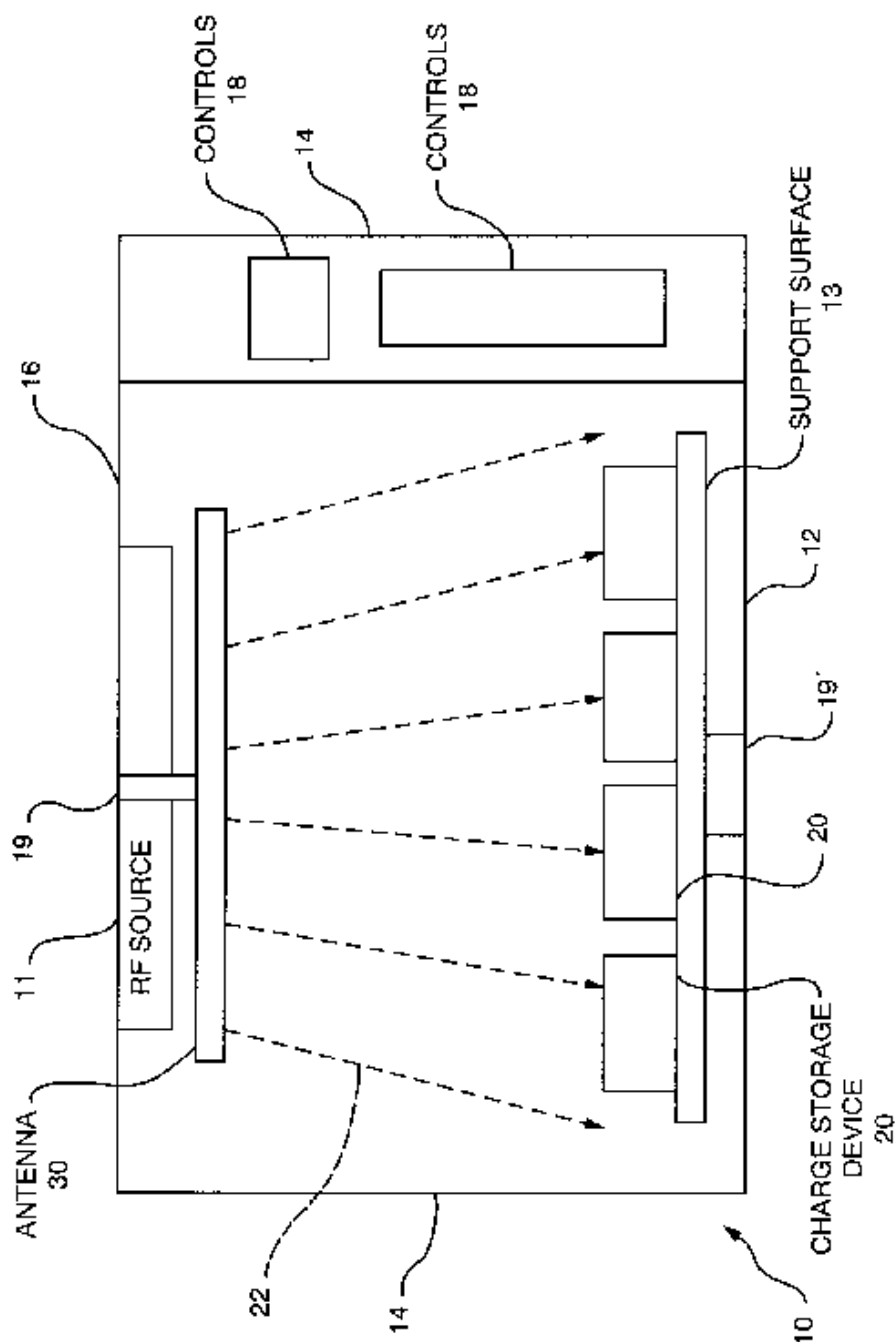
Images

FIG. 1

Publication numbers with kind code & date

AU4703000	A	2000-12-05	AU200047030
CA2373911	A1	2000-11-23	CA2373911
WO00/70703	A1	2000-11-23	WO200070703
US6127799	A	2000-10-03	US6127799

**Abstract**

(WO00/70703)

An arrangement is provided for charging a charge storage device (20, 102) by placing the charge storage device (20, 102) in an RF or microwave radiation field. One or more antennas (30) which receive the radiated RF electromagnetic field are placed on the charge storage device (20, 102). Rectifiers (58, 58') connected to the antennas (30) rectify the received RF electromagnetic field and produce a DC output current which is used to charge the charge storage device (20, 102). The charge storage device (20, 102) may be a battery (41) or a capacitor and may form an integral part of an electronic device. The same RF field that charges the charge storage device (20, 102) can also be employed to communicate data to transponders which may be associated with computing devices.

Inventors

KRISHNAN RAJESH

Latest standardized assignees - inventors removed

OKI ELECTRIC INDUSTRY

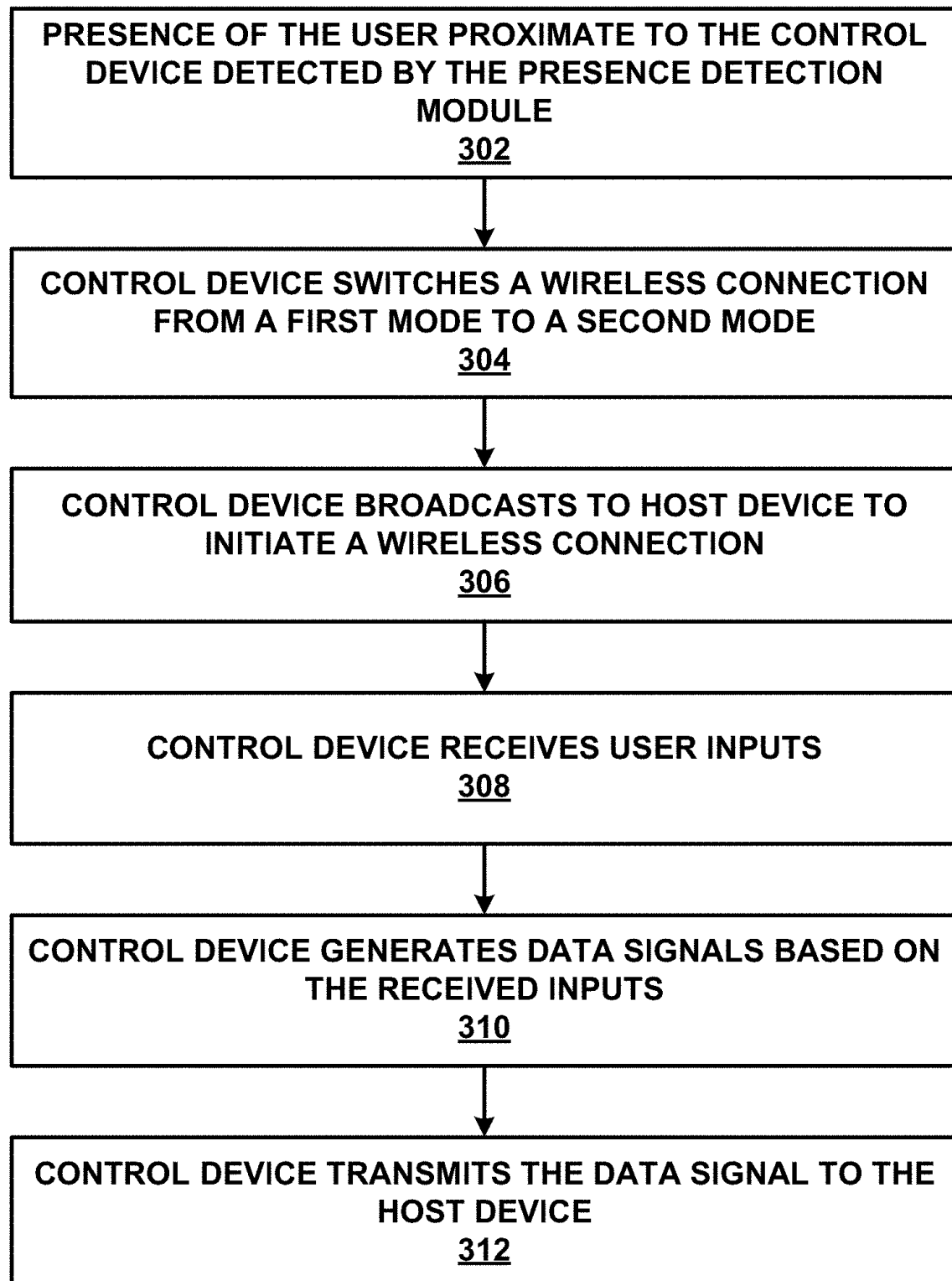
RAYTHEON BBN TECHNOLOGIES

Family 12/20 - FAMPAT - ©Questel

Title

(US20190207684)

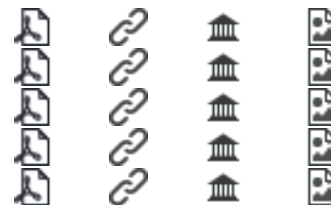
Method and system for shortening wireless pairing connection time by detecting an object or body

Images

300

Publication numbers with kind code & date

US20190207684	A1	2019-07-04	US20190207684
US10135547	B2	2018-11-20	US10135547
US20160380704	A1	2016-12-29	US20160380704
US9468026	B2	2016-10-11	US9468026
US20150103006	A1	2015-04-16	US20150103006

**Abstract**

(US20190207684)

Embodiments of the invention are directed to control devices configured for use with computing devices. More specifically, the present invention relates to methods and devices for shortening wireless reconnection time by determining the presence of an object or body near a device. When the control device detects an object or body in proximity to the device, the control device may automatically establish a wireless connection with a host devices, such that when the control device receives any user interactions, the wireless connection has already been established, preventing loss of data.

Inventors

HEMES JEAN-CHRISTOPHE

SPINA FRANCESCO

GAY OLIVIER

DE PREUX GILLES

BODENMANN OLIVIER

CREMONINO PAOLO

MEALARES LAURENT

Latest standardized assignees - inventors removed

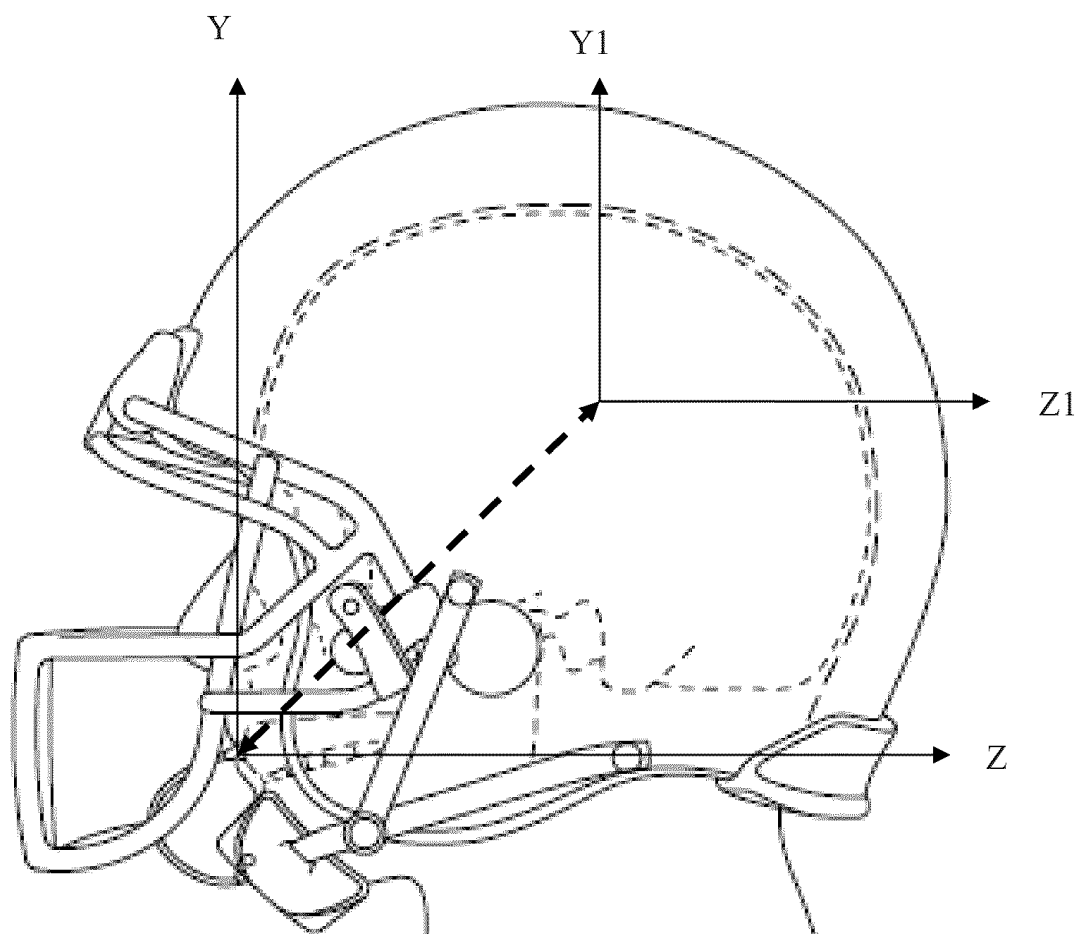
LOGITECH EUROPE

Family 13/20 - FAMPAT - ©Questel

Title

(EP2525713)

Mouth guard with sensor

Images**Publication numbers with kind code & date**

US9554607	B2	2017-01-31	US9554607
US9526289	B2	2016-12-27	US9526289
EP2526502	A4	2016-01-27	EP2526502
US20130282308	A1	2013-10-24	US20130282308
US8554495	B2	2013-10-08	US8554495
US8537017	B2	2013-09-17	US8537017
US8466794	B2	2013-06-18	US8466794
WO2011/091347	A3	2012-12-27	WO201191347
EP2525713	A2	2012-11-28	EP2525713
EP2526502	A1	2012-11-28	EP2526502
CA2790745	A1	2011-07-28	CA2790745
CA2790797	A1	2011-07-28	CA2790797
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US20110184319	A1	2011-07-28	US20110184319



US20110184663	A1	2011-07-28	US20110184663
WO2011/091347	A2	2011-07-28	WO201191347
WO2011/091355	A1	2011-07-28	WO201191355

**Abstract**

(EP2525713)

A mouth guard having a proximity sensor, an impact sensor, a processor in signal communication with the sensor, a memory in data communication with the processor, a transmitter in signal communication with the processor, and a battery. The processor is configured to allow data transmission the mouth guard has been inserted into a mouth. The processor is also configured to instruct the transmitter to transmit a signal if an impact above a predefined first threshold is sensed.

Inventors

MACK CHRISTOPH

ABLE RICHARD T

MCCANN JED

DOUGHTY CHRISTOPHER B

SNOOK ROBERT

VALLIDIS NICK

Latest standardized assignees - inventors removed

X2IMPACT

PREVENT BIOMETRICS

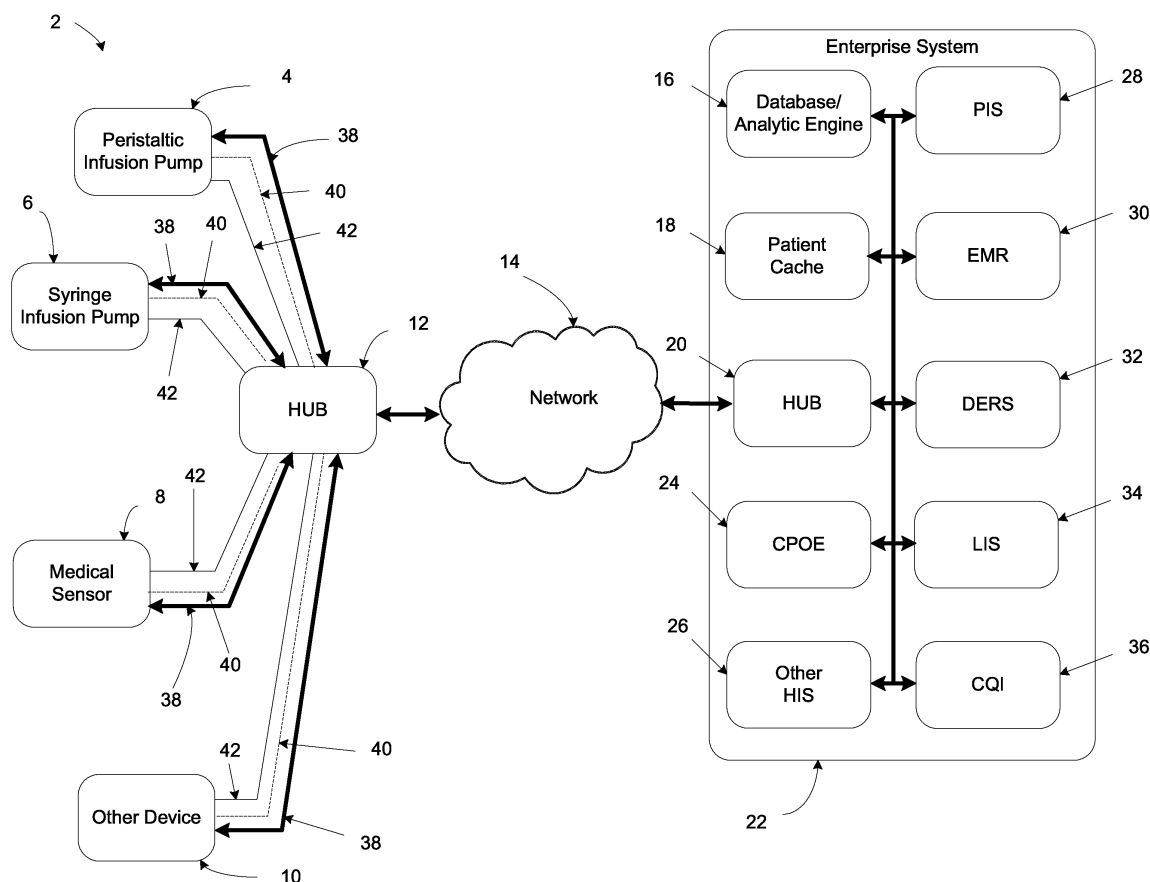
SEIGE

Family 14/20 - FAMPAT - ©Questel

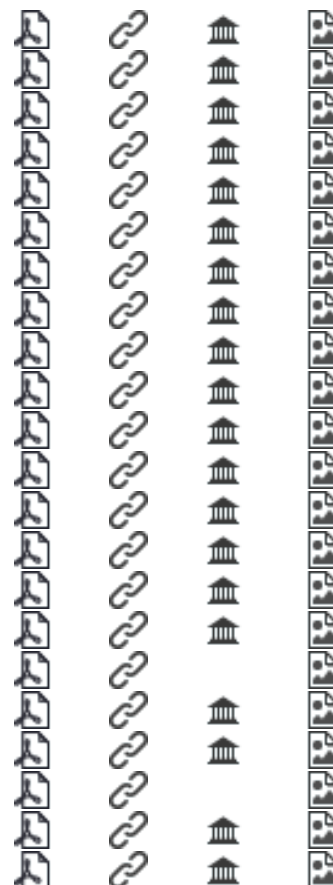
Title

(EP2793976)

Pump system and method for acoustically estimating liquid delivery

Images**Publication numbers with kind code & date**

AU2018202481	B2	2020-04-02	AU2018202481
NZ749182	A	2020-03-27	NZ-749182
CN106421978	B	2020-03-24	CN106421978B
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EP3181112	B1	2020-02-19	EP3181112
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**Abstract**

(EP2793976)

A pump, related system, and related method are provided. The pump includes a reservoir, a port, and a plunger. The reservoir delivers a liquid by discharging the liquid through the port coupled to the reservoir. The plunger has a piston coupled to a shaft and is disposed within the reservoir in sliding engagement with an inner surface of the reservoir. The piston defines a liquid side of the reservoir and a non-liquid side of the reservoir whereby movement of the plunger towards the liquid side of the reservoir discharges liquid through the port. The pump also includes a reference-volume assembly and/or a linear position sensor. The reference-volume assembly is coupled to the reservoir at an opposite end of the reservoir relative to the port and includes a reference-volume chamber in acoustic communication with the non-liquid side of the reservoir, a speaker disposed within the reference-volume chamber, and a reference microphone disposed within the reference-volume chamber. The reference-volume assembly and/or linear position sensor may be used to estimate the amount of liquid discharged from the reservoir.

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Latest standardized assignees - inventors removed

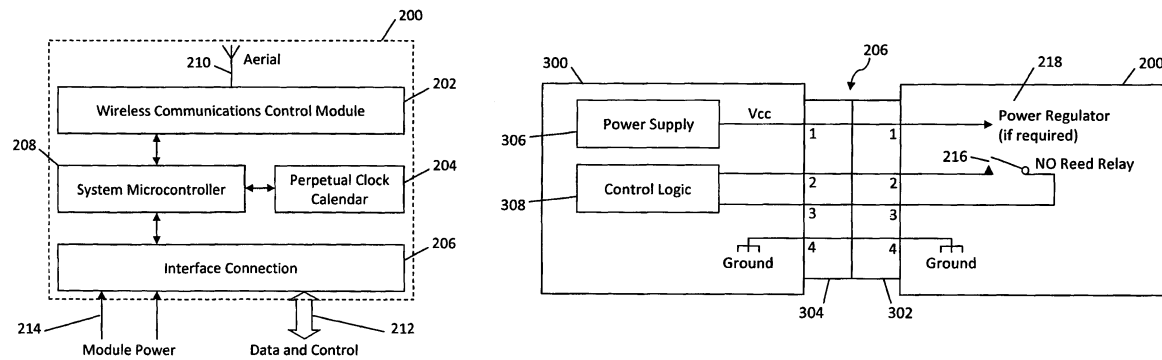
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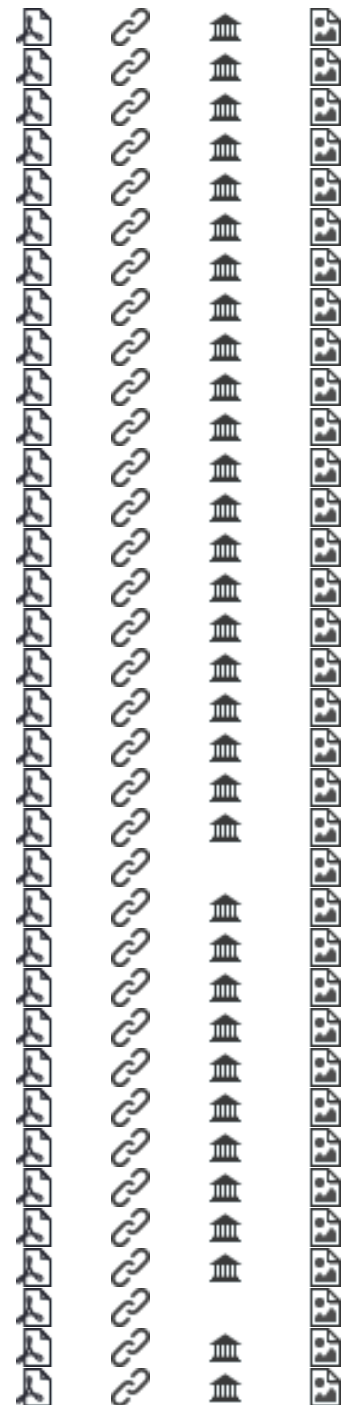
Title

(EP2845109)

Modular wireless power, light and automation control

Images**Publication numbers with kind code & date**

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Abstract

(EP2845109)

A device and method for controlling a host apparatus (300) through a wireless link with a personal controller (10). The device includes a wireless communications module (202) configured to communicate with personal controller (10) via a peer-to-peer communications standard. The device connects to host apparatus (300) via a plug and receptacle interface (206) which includes power and signal pins. The device simulates an actuation signal using a reed relay (216) to cause host apparatus (300) to perform a function.

Inventors

DAVIS BARRIE

DAVIS BENJAMIN

DAVIS MATTHEW

Latest standardized assignees - inventors removed

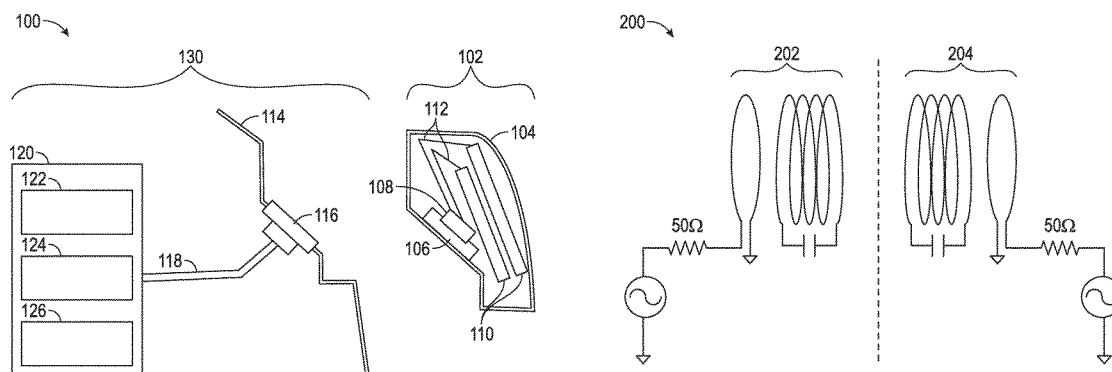
KORTEK INDUSTRY

Family 16/20 - FAMPAT - ©Questel

Title

(US9713233)

Methods and apparatus for wireless communication and power transfer for an external light fixture onboard a vehicle

Images**Publication numbers with kind code & date**

US9713233	B1	2017-07-18	US9713233
CN106926769	A	2017-07-07	CN106926769
DE102016124570	A1	2017-07-06	DE102016124570
US20170196068	A1	2017-07-06	US20170196068

**Abstract**

(US20170196068)

A method for using an external lamp onboard a vehicle is provided. The method receives, at a transceiver positioned inside a sealed casing of the external lamp, a wireless communication signal and a wireless power signal; and operates the external lamp using the wireless communication signal and the wireless power signal.

Inventors

CASTILLO GREGORY M

LAIFENFELD MOSHE

Latest standardized assignees - inventors removed

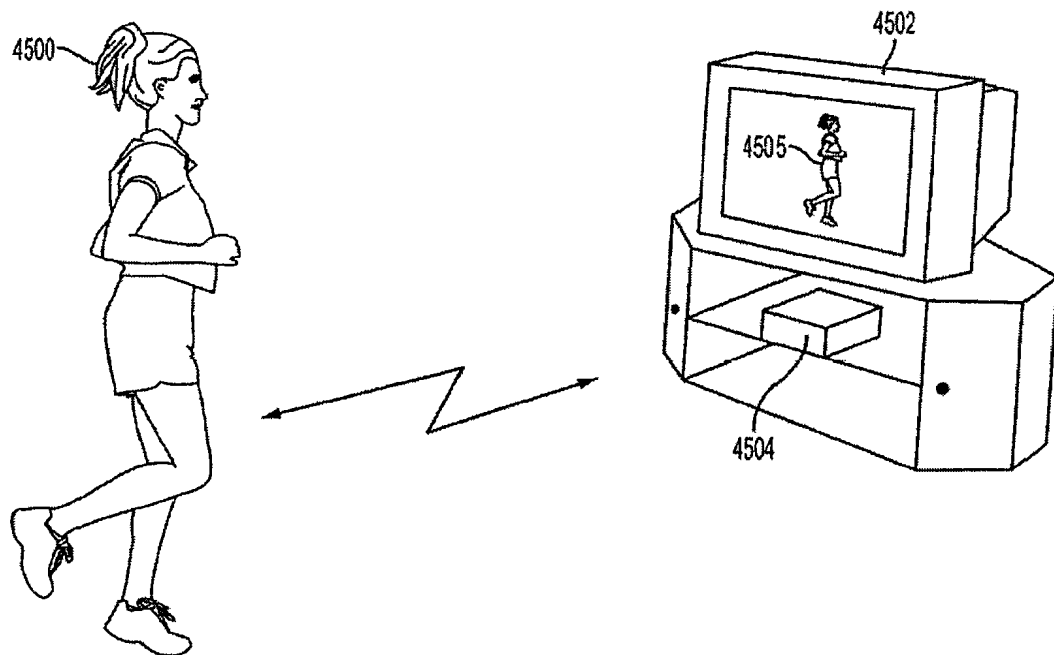
GM GLOBAL TECHNOLOGY OPERATIONS

Family 17/20 - FAMPAT - ©Questel

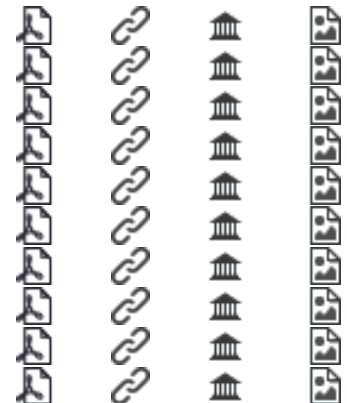
Title

(EP2025369)

Sports training system with electronic gaming features

Images**Publication numbers with kind code & date**

JP2013078593	A	2013-05-02	JP2013078593
US8221290	B2	2012-07-17	US8221290
CN101367011	B	2012-05-23	CN101367011B
US7927253	B2	2011-04-19	US7927253
EP2025369	A3	2010-09-22	EP2025369
US20090233770	A1	2009-09-17	US20090233770
JP2009050699	A	2009-03-12	JP2009050699
US20090048070	A1	2009-02-19	US20090048070
CN101367011	A	2009-02-18	CN101367011
EP2025369	A2	2009-02-18	EP2025369

**Abstract**

(EP2025369)

A sports electronic training system with electronic gaming features, and applications thereof, are disclosed. In an embodiment, the system comprises at least one monitor and a portable electronic processing device for receiving data from the at least one monitor and providing feedback to an individual based on the received data. The monitor can be a motion monitor that measures an individual's performance such as, for example, speed, pace and distance for a runner. Other monitors might include a heart rate monitor, a temperature monitor, an altimeter, et cetera. In an embodiment, an input is provided to an electronic game based on data obtained from the at least one monitor that effects, for example, an avatar, a digitally created character, an action within the game, or a game score of the electronic game.

Inventors

VINCENT STEPHEN MICHAEL

DIBENEDETTO CHRISTIAN

OLESON MARK ARTHUR

GAUDIO PAUL

Latest standardized assignees - inventors removed

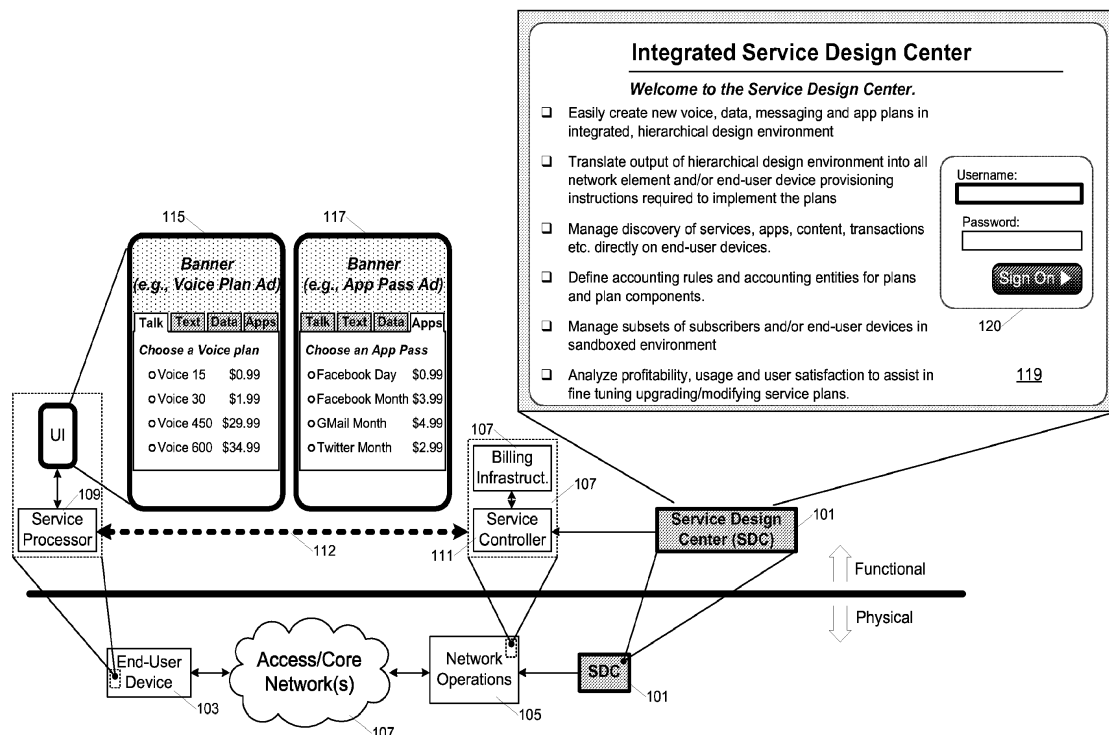
ADIDAS INTERNATIONAL MARKETING

Family 18/20 - FAMPAT - ©Questel

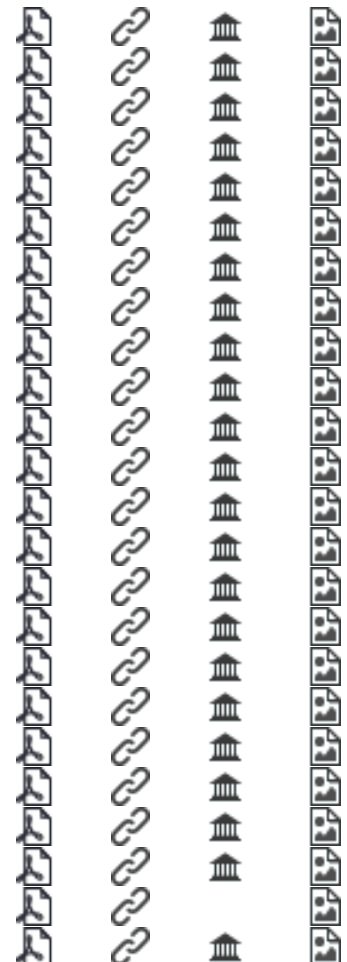
Title

(EP2619970)

Service offer set publishing to device agent with on-device service selection

Images**Publication numbers with kind code & date**

BR112013006784	A2	2020-02-27	BR112013006784
US20200045571	A1	2020-02-06	US20200045571
EP2974388	B1	2020-01-01	EP2974388
CA2825441	C	2019-11-19	CA2825441
US20190327624	A1	2019-10-24	US20190327624
US20190274033	A1	2019-09-05	US20190274033
US20190260879	A1	2019-08-22	US20190260879
US20190261160	A1	2019-08-22	US20190261160
US20190261203	A1	2019-08-22	US20190261203
US20190132739	A1	2019-05-02	US20190132739
EP2668584	B1	2019-05-01	EP2668584
US20190124209	A1	2019-04-25	US20190124209
US20190124513	A1	2019-04-25	US20190124513
US10237773	B2	2019-03-19	US10237773
US10200541	B2	2019-02-05	US10200541
US10171681	B2	2019-01-01	US10171681
US10171988	B2	2019-01-01	US10171988
US10171990	B2	2019-01-01	US10171990
US10165447	B2	2018-12-25	US10165447
US20180262947	A1	2018-09-13	US20180262947
CA2811230	C	2018-07-17	CA2811230
US20180184324	A1	2018-06-28	US20180184324
KR101867636	B1	2018-06-14	KR101867636
US9980146	B2	2018-05-22	US9980146



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EP3300303	A1	2018-03-28	EP3300303				
US9866642	B2	2018-01-09	US9866642				
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EP3119159	B1	2017-11-29	EP3119159				
US20170339553	A1	2017-11-23	US20170339553				
US20170310768	A1	2017-10-26	US20170310768				
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US9749898	B2	2017-08-29	US9749898				
US9749899	B2	2017-08-29	US9749899				
US20170208459	A1	2017-07-20	US20170208459				
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CN103201730	B	2017-06-06	CN103201730B				
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US20160373588	A1	2016-12-22	US20160373588				
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EP2619684	A4	2016-08-03	EP2619684				
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EP2619970	A4	2016-04-13	EP2619970				
IN2944/DELNP/2013	A	2016-04-01	IN2013DN02944				
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US20150111528	A1	2015-04-23	US20150111528				
WO2014/149652	A1	2014-09-25	WO2014149652				
US8832777	B2	2014-09-09	US8832777				
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BR112013006783	A1	2013-12-31	BR112013006783				
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KR20130140678	A	2013-12-24	KR20130140678				
JP2013545323	A	2013-12-19	JP2013545323				
JP2013543676	A	2013-12-05	JP2013543676				
EP2668584	A2	2013-12-04	EP2668584				
WO2012/102827	A3	2013-11-14	WO2012102827				
AU2012209513	A1	2013-08-08	AU2012209513				
EP2619684	A1	2013-07-31	EP2619684				
EP2619970	A1	2013-07-31	EP2619970				
CN103201730	A	2013-07-10	CN103201730				
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WO2012/040247	A1	2012-03-29	WO201240247				
WO2012/040398	A1	2012-03-29	WO201240398				

Abstract

(EP2619970)

Disclosed herein are various embodiments for publishing a service offer set to a device agent on an end-user device and for on-device selection of a service. In some embodiments, a network system publishes a service offer set to an end-user device over a wireless access network, receives an offer set user selection from the end-user device, and provisions one or

more network functions based on the offer set user selection.

Inventors

RALEIGH GREGORY G

LAVINE JAMES

Latest standardized assignees - inventors removed

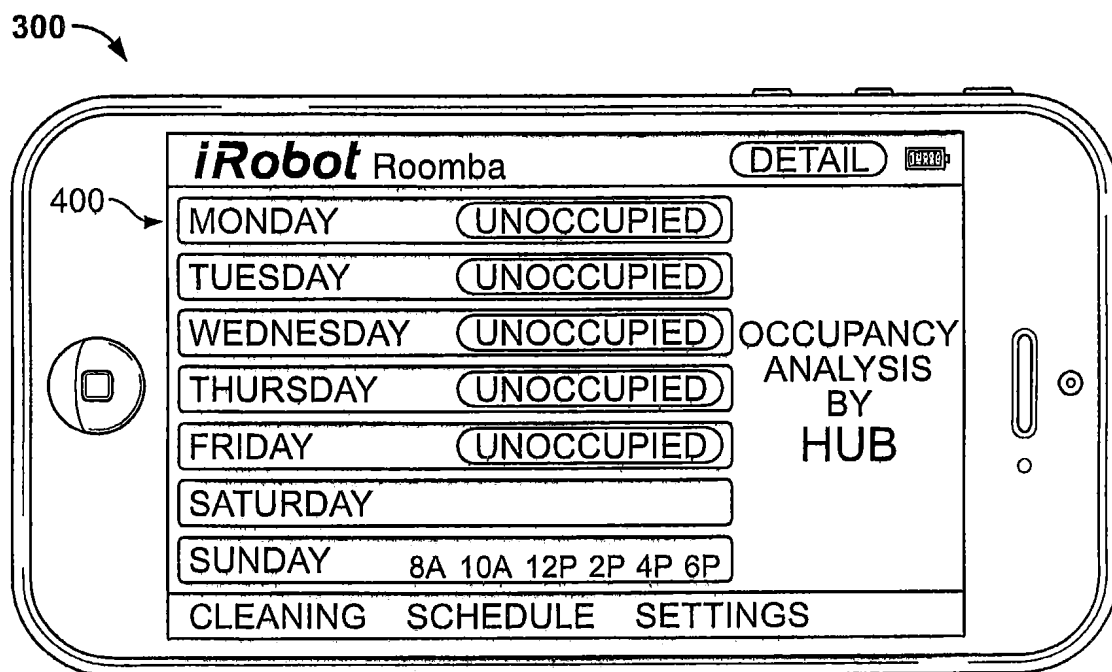
HEADWATER RESEARCH

Family 19/20 - FAMPAT - ©Questel

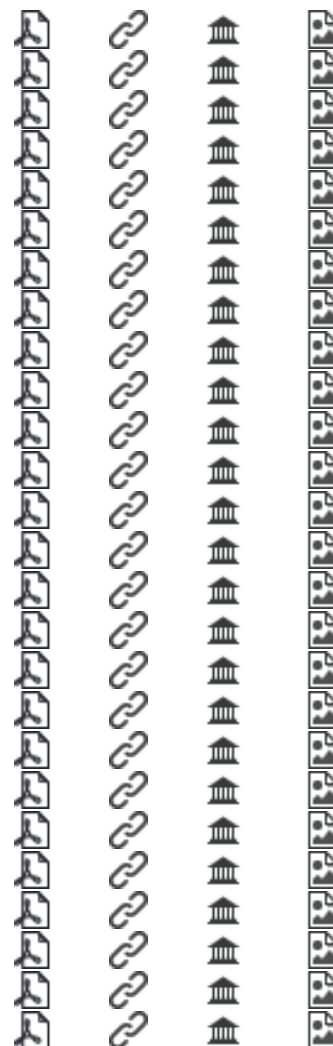
Title

(EP3616853)

Mobile robot and control thereof for household

Images**Publication numbers with kind code & date**

EP3616853	A1	2020-03-04	EP3616853
EP2946567	B1	2020-02-26	EP2946567
US10488857	B2	2019-11-26	US10488857
EP2945783	B1	2019-10-16	EP2945783
US10391638	B2	2019-08-27	US10391638
CN110051288	A	2019-07-26	CN110051288
CN109965778	A	2019-07-05	CN109965778
US20190097827	A1	2019-03-28	US20190097827
CN104769962	B	2019-03-12	CN104769962B
AU2017200992	B2	2019-01-31	AU2017200992
JP6427503	B2	2018-11-21	JP6427503
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JP6409003	B2	2018-10-17	JP6409003
US20180071918	A1	2018-03-15	US20180071918
JP2018033977	A	2018-03-08	JP2018033977
US9874873	B2	2018-01-23	US9874873
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CN107411639	A	2017-12-01	CN107411639
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US20160282862	A1	2016-09-29	US20160282862
US20160282863	A1	2016-09-29	US20160282863
EP2945783	A4	2016-08-31	EP2945783
EP2946567	A4	2016-08-31	EP2946567



US9380922	B2	2016-07-05	US9380922				
US9375847	B2	2016-06-28	US9375847				
US20160167234	A1	2016-06-16	US20160167234				
JP2016515311	A	2016-05-26	JP2016515311				
AU2013374347	B2	2016-05-19	AU2013374347				
JP2016513981	A	2016-05-19	JP2016513981				
US9233472	B2	2016-01-12	US9233472				
EP2945783	A1	2015-11-25	EP2945783				
EP2946567	A1	2015-11-25	EP2946567				
CN104769962	A	2015-07-08	CN104769962				
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CN104470685	A	2015-03-25	CN104470685				
CA2886106	A1	2014-07-24	CA2886106				
CA2886451	A1	2014-07-24	CA2886451				
US20140207280	A1	2014-07-24	US20140207280				
US20140207281	A1	2014-07-24	US20140207281				
US20140207282	A1	2014-07-24	US20140207282				
WO2014/113091	A1	2014-07-24	WO2014113091				
WO2014/113713	A1	2014-07-24	WO2014113713				
WO2014/113806	A1	2014-07-24	WO2014113806				

Abstract

(EP3616853)

A mobile robot includes a processor connected to a memory and a wireless network circuit, for executing routines stored in the memory and commands generated by the routines and received via the wireless network circuit. The processor drives the mobile robot to a multiplicity of accessible two dimensional locations within a household, and commands an end effector, including at least one motorized actuator, to perform mechanical work in the household. A plurality of routines include a first routine which monitors a wireless local network and detects a presence of a network entity on the wireless local network, a second routine which receives a signal from a sensor detecting an action state of one of the network entities, the action state changeable between waiting and active, and a third routine which commands the end effector to change state of performing mechanical work based on the presence and on the action state.

Inventors

ANGLE COLIN

SNELLING DAVID

O'DEA MELISSA

FARLOW TIMOTHY S

DUFFLEY SAMUEL

MAMMEN JEFFREY W

HALLORAN MICHAEL J

Latest standardized assignees - inventors removed

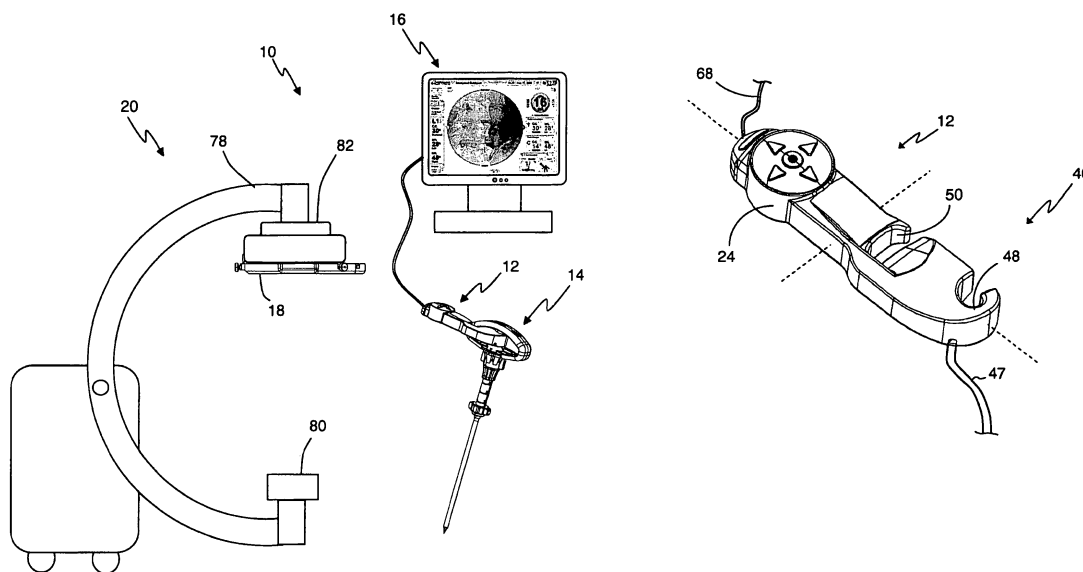
IROBOT

Family 20/20 - FAMPAT - ©Questel

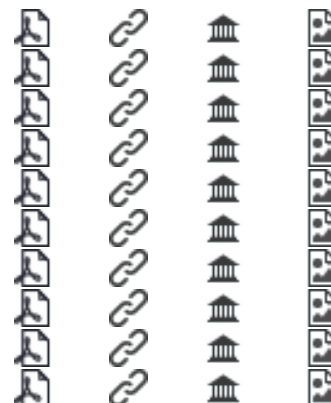
Title

(WO200955034)

Surgical trajectory monitoring system and related methods

Images**Publication numbers with kind code & date**

DE112008002851	B4	2018-06-21	DE112008002851
US20180055571	A1	2018-03-01	US20180055571
US9795451	B2	2017-10-24	US9795451
US20150366630	A1	2015-12-24	US20150366630
US9119572	B2	2015-09-01	US9119572
AU2008317311	B2	2013-07-04	AU2008317311
DE112008002851	T5	2011-02-10	DE112008002851
US20100312103	A1	2010-12-09	US20100312103
AU2008317311	A1	2009-04-30	AU2008317311
WO2009/055034	A1	2009-04-30	WO200955034

**Abstract**

(WO2009/055034)

The present invention relates to a system and methods generally aimed at monitoring the trajectory of surgical instruments and especially for monitoring the trajectory of surgical instrument used during pedicle fixation to ensure the proper placement of pedicle screws.

Inventors

GOREK JOSEF

FINLEY ERIC

KIM ALBERT C

BARNES JEFF

EIS RICK

Latest standardized assignees - inventors removed

NUVASIVE