

25 Documents

Publication numbers	Title	Current assignees
CA2969780 A1	Impedance sensors for detecting and monitoring moisture in absorbent articles	SCA HYGIENE PRODUCTS
CA2314813 A1	Capacitive monitoring of the application of an adhesive on a substrate with imaginary permittivity	ITW INDUSTRY
GB201500261 D0	A method of driving an element of an active matrix ewod device, a circuit, and an active matrix ewod device	SHARP LIFE SCIENCE
IN201717020358 A	Impedance sensors for detecting and monitoring moisture in absorbent articles	SCA HYGIENE PRODUCTS
GB200912009 D0	Wound dressing with impedance sensor	UNIVERSITY OF STRATHCLYDE
BE-437641 A	Electron beam device	GENERAL ELECTRIC
CA2844534 A1	Wetness sensors	3M INNOVATIVE PROPERTIES
CA2844826 A1	Wetness sensor using rf circuit with frangible link	3M INNOVATIVE PROPERTIES
WO2017174031 A1	Sensing system utilizing multifunctional fabric, method, and object	YANG CHANG MING
US20050190072 A1	An item monitoring system and methods of using an item monitoring system	3M INNOVATIVE PROPERTIES
WO201794794 A1	Sanitary article equipped with moisture-detecting rfid tag	MURATA MANUFACTURING
US20070273504 A1	Personal monitoring system	PHILIPS
US20070276270 A1	Fitness monitoring	PHILIPS
US20160287166 A1	Personal monitoring system	PHILIPS
US20080001735 A1	Mesh network personal emergency response appliance	PHILIPS
US20080004904 A1	Systems and methods for providing interoperability among healthcare devices	TRAN BAO Q
US20140077946 A1	Personal emergency response (PER) system	EMPIRE IP
US20080167535 A1	Contextual and presence sensing to operate electronic devices	BODYMEDIA, ...
US20070100666 A1	Devices and systems for contextual and physiological-based detection, monitoring, reporting, entertainment, and control of other devices	ALIPH, ...
US20150068069 A1	Personally powered appliance	EMPIRE IP
US20060071774 A1	An item monitoring system and methods of using an item monitoring system	3M INNOVATIVE PROPERTIES
US20130131618 A1	Contactless passive sensing for absorbent articles	KIMBERLY CLARK WORLDWIDE

Publication numbers	Title	Current assignees
US20090209170 A1	Interactive doll or stuffed animal	IDENT TECHNOLOGY
WO2017149526 A2	A method and apparatus for cooperative usage of multiple distance meters	MAY PATENTS
WO2016174659 A1	Estimating and using relative head pose and camera field-of-view	SNAP AID PATENTS

Family 1/25 - FAMPAT - ©Questel

Title

(EP3229747)

Impedance sensors for detecting and monitoring moisture in absorbent articles

Images

1/45

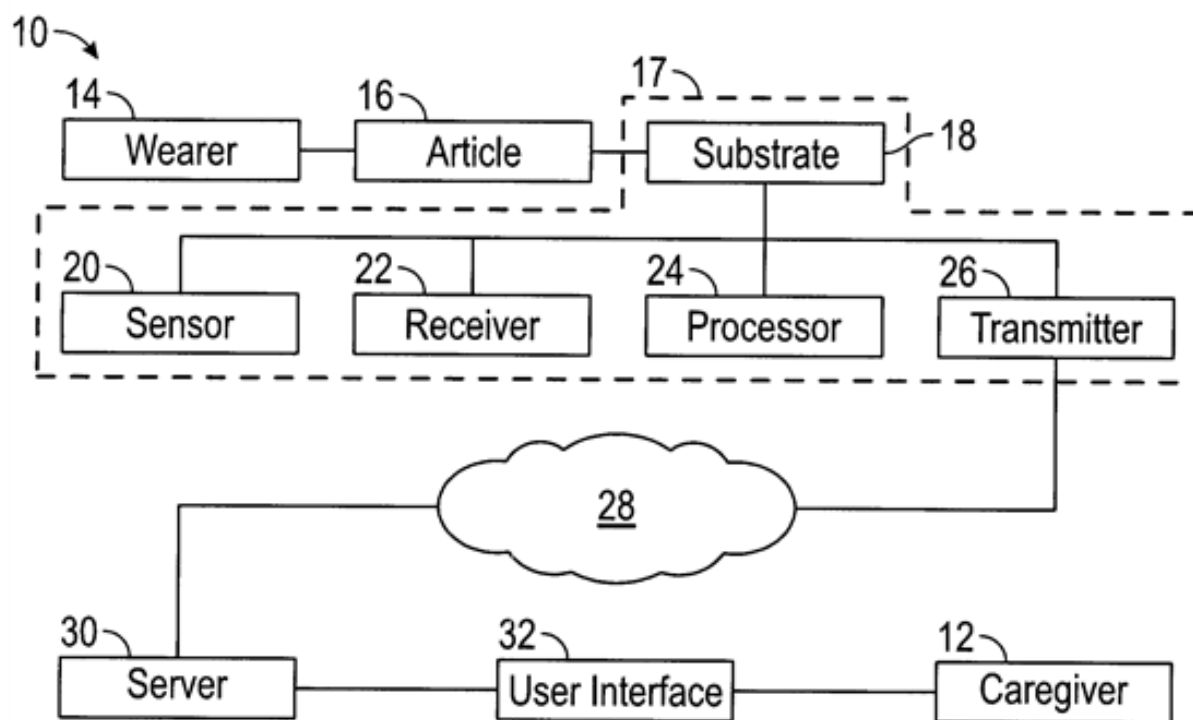


FIG. 1

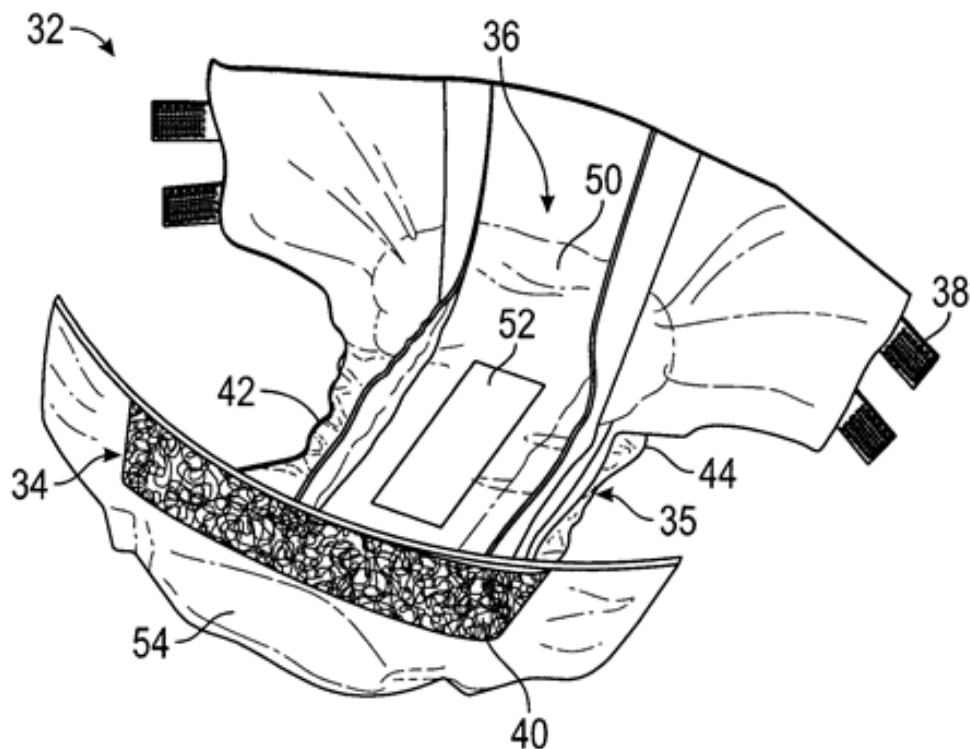


FIG. 2A

Publication data including kind & date

CA2969780

A1 2016-06-16

CA2969780

WO2016090492

A1 2016-06-16

WO2016090492

BR112017011327

A1 2017-06-06

BR112017011327



AU2015361990	A1	2017-06-29	AU2015361990				
MX2017007517	A	2017-08-22	MX2017007517				
KR20170097101	A	2017-08-25	KR20170097101				
EP3229747	A1	2017-10-18	EP3229747				
BR112017011327	A2	2017-12-26	BR112017011327				
CN107530214	A	2018-01-02	CN107530214				
JP2018501864	A	2018-01-25	JP2018501864				
EP3229747	A4	2018-05-16	EP3229747				

Abstract

(EP3229747)

According to aspects of the present disclosure, a system for detecting moisture in an absorbent article worn by a wearer may include an **impedance** sensing element. The **impedance** sensing element may include electrodes. The system may also include an attachment member for securing the **impedance** sensing element at a location on an exterior surface of the absorbent article. The electrodes may be positioned so as to be capacitively coupled to an interior region of the absorbent article and to measure an **impedance** of the absorbent article from the location on the exterior surface of the absorbent article. The system may also include an **impedance** measurement subsystem for measuring the **impedance** of the absorbent article, and extracting a **real** component of the **impedance** and an **imaginary** component of the **impedance** for determining a characteristic of the moisture in the absorbent article.

Inventors

AHONG TIMOTHY

PORTHIYAS DANNY

FEJES ZACHARY

DHAR SAMEER

DABOR JEREMY

IRONSTONE JOEL

QIU HARRY

Latest standardized assignees - inventors removed

SCA HYGIENE PRODUCTS

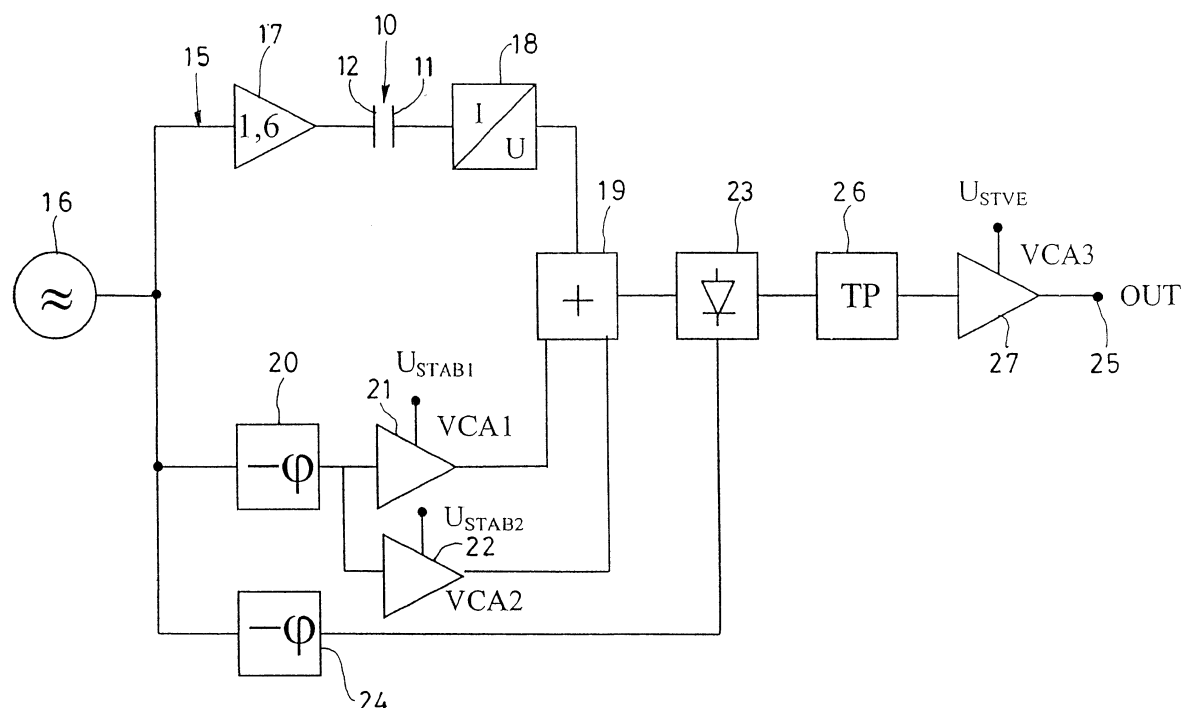
Family 2/25 - FAMPAT - ©Questel

Title

(EP1079203)

Capacitive monitoring of the application of an adhesive on a substrate with **imaginary** permittivity

Images



Publication data including kind & date

CA2314813	A1	2001-02-07	CA2314813
EP1079203	A1	2001-02-28	EP1079203
DE19937387	C1	2001-03-01	DE19937387
JP2001099802	A	2001-04-13	JP2001099802
KR20010030053	A	2001-04-16	KR20010030053
CN1292498	A	2001-04-25	CN1292498
TW504566	B	2002-10-01	TW-504566
EP1079203	B1	2002-12-04	EP1079203
AT229168	T	2002-12-15	ATE229168
DE50000860	D1	2003-01-16	DE50000860
US6529016	B1	2003-03-04	US6529016
US2003067310	A1	2003-04-10	US2003067310
US6642723	B2	2003-11-04	US6642723



Abstract

(EP1079203)

The monitoring device has at least one sensor (10) provided with 2 electrodes (11,12) at a given distance from the surface of the coated substrate, which is supplied with an AC voltage for displacement relative to the electrodes. The signal provided by the electrodes is coupled to an electronic measuring stage (15), providing a characteristic signal for the substrate and the liquid or paste coating medium, using the complex components of the permittivity of the coated substrate between the electrodes.

Inventors

BLANK ANDREAS

Latest standardized assignees - inventors removed

ITW INDUSTRY

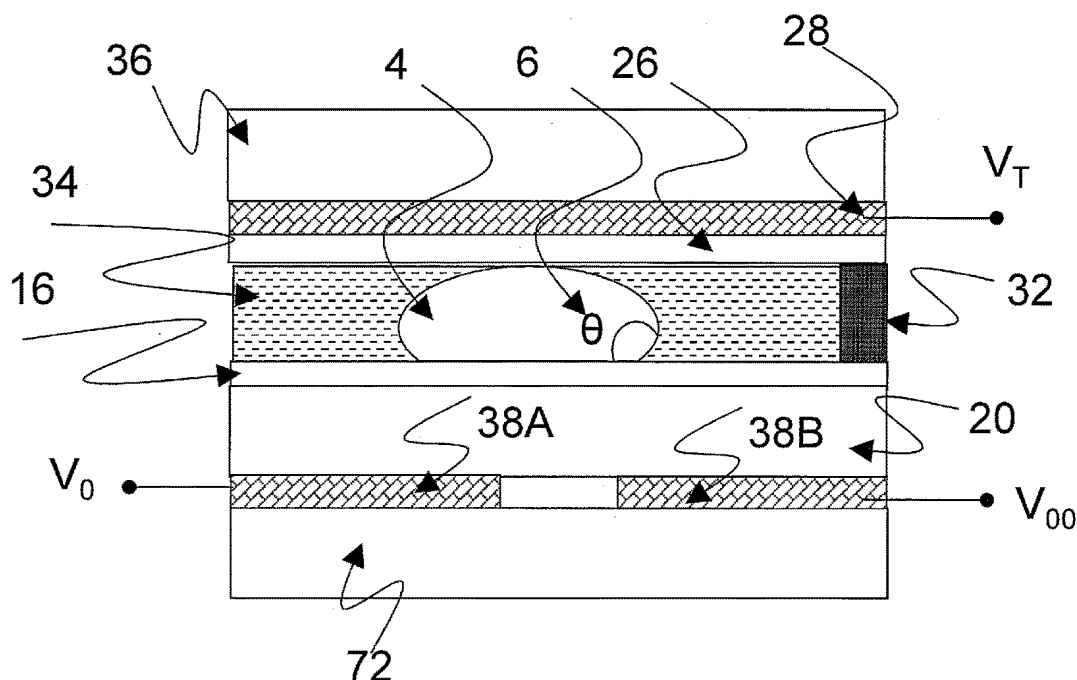
Family 3/25 - FAMPAT - ©Questel

Title

(EP3242745)

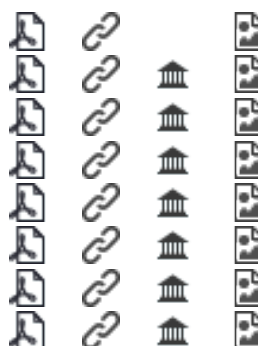
A method of driving an element of an active matrix ewod device, a circuit, and an active matrix ewod device

Images



Publication data including kind & date

GB201500261	D0	2015-02-25	GB201500261
GB2533952	A	2016-07-13	GB2533952
WO2016110909	A1	2016-07-14	WO2016110909
CN107107020	A	2017-08-29	CN107107020
EP3242745	A1	2017-11-15	EP3242745
US2017326524	A1	2017-11-16	US20170326524
EP3242745	A4	2017-12-27	EP3242745
JP2018508343	A	2018-03-29	JP2018508343



Abstract

(EP3242745)

A method of driving an element of an active matrix electro-wetting on dielectric (AM-EWOD) device comprise applying a first alternating voltage to a reference **electrode** of the AM-EWOD device; and either (i) applying to the element **electrode** a second alternating voltage that has the same frequency as the first alternating voltage and that is out of phase with the first alternating voltage or (ii) holding the element **electrode** in a high **impedance** state. The effect of applying the second alternating voltage to the element **electrode** is to put the element in an actuated state in which the element is configured to actuate any liquid droplet present in the element, while the effect of holding the element **electrode** in the high **impedance** state is to put the element in a non-actuated state.

Inventors

HADWEN BENJAMIN JAMES

BROWN CHRISTOPHER JAMES

Latest standardized assignees - inventors removed

SHARP LIFE SCIENCE

Family 4/25 - FAMPAT - ©Questel

Title

(IN201717020358)

Impedance sensors for detecting and monitoring moisture in absorbent articles

Publication data including kind & date

IN201717020358 A 2017-11-17 IN201717020358



Abstract

(IN201717020358)

According to aspects of the present disclosure a system for detecting moisture in an absorbent article worn by a wearer may include an **impedance** sensing element. The **impedance** sensing element may include electrodes. The system may also include an attachment member for securing the **impedance** sensing element at a location on an exterior surface of the absorbent article. The electrodes may be positioned so as to be capacitively coupled to an interior region of the absorbent article and to measure an **impedance** of the absorbent article from the location on the exterior surface of the absorbent article. The system may also include an **impedance** measurement subsystem for measuring the **impedance** of the absorbent article and extracting a **real** component of the **impedance** and an **imaginary** component of the **impedance** for determining a characteristic of the moisture in the absorbent article.

Inventors

Timothy AHONG

Danny PORTHIYAS

Zachary FEJES

Sameer DHAR

Jeremy DABOR

Joel IRONSTONE

Harry QIU

Latest standardized assignees - inventors removed

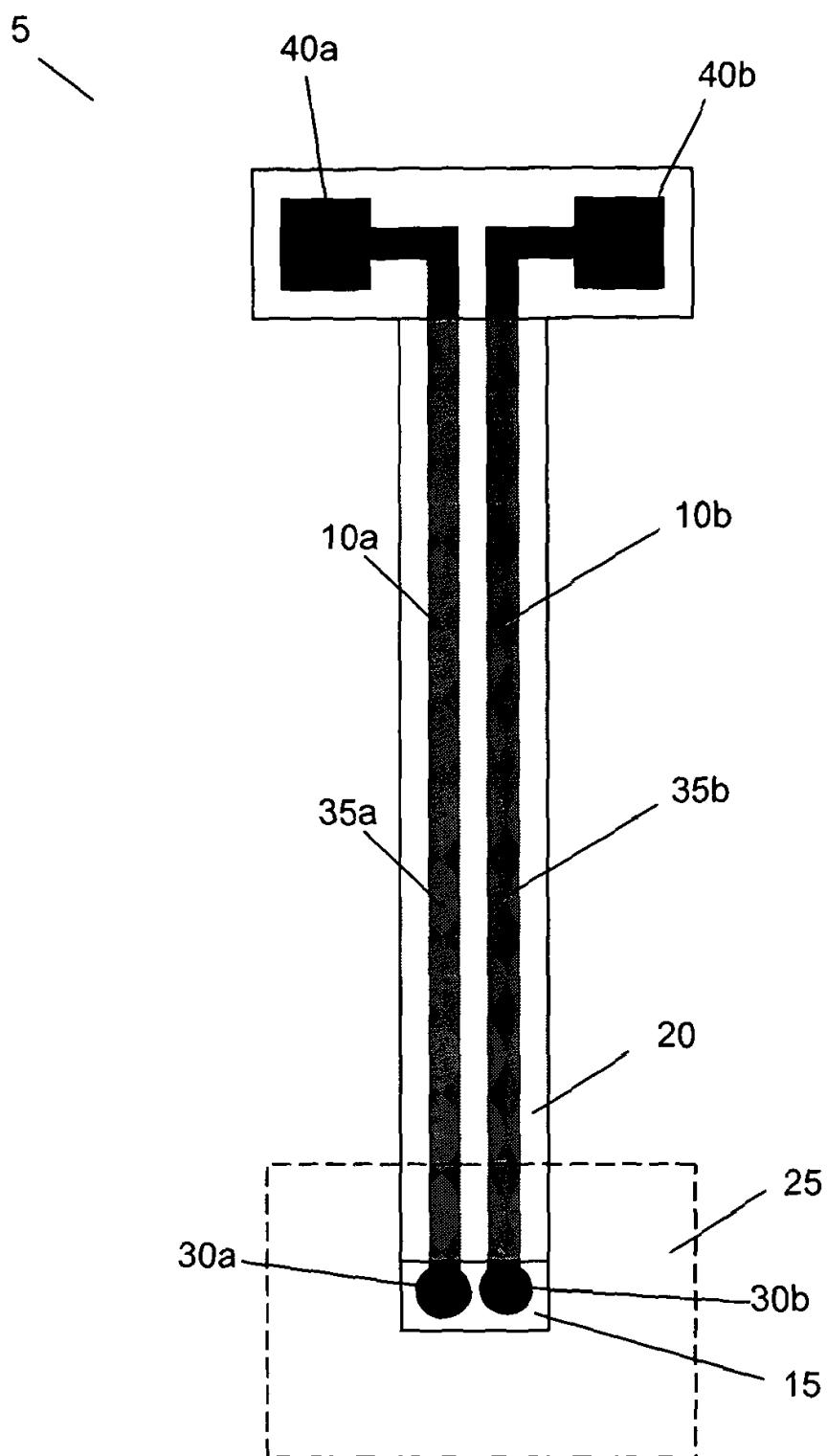
SCA HYGIENE PRODUCTS

Family 5/25 - FAMPAT - ©Questel

Title

(EP2451349)

Wound dressing with **impedance** sensor**Images**



Publication data including kind & date

GB0912009	D0	2009-08-19	GB200912009
WO2011004165	A1	2011-01-13	WO201104165
CA2767292	A1	2011-01-13	CA2767292
EP2451349	A1	2012-05-16	EP2451349
CN102481112	A	2012-05-30	CN102481112
US2012190956	A1	2012-07-26	US20120190956
JP2012532642	A	2012-12-20	JP2012532642
IN0069/DELNP/2012			



	A	2012-12-21	IN2012DN00069				
CN102481112	B	2016-01-27	CN102481112B				
EP2451349	B1	2016-04-27	EP2451349				
ES2584312	T3	2016-09-27	ES2584312				

Abstract

(EP2451349)

A wound sensor comprising at least one **electrode** (10a, 10b) and a non-adherent porous layer (25) proximate at least part of the **electrode**.

Inventors

CONNOLLY PATRICIA

Latest standardized assignees - inventors removed

UNIVERSITY OF STRATHCLYDE

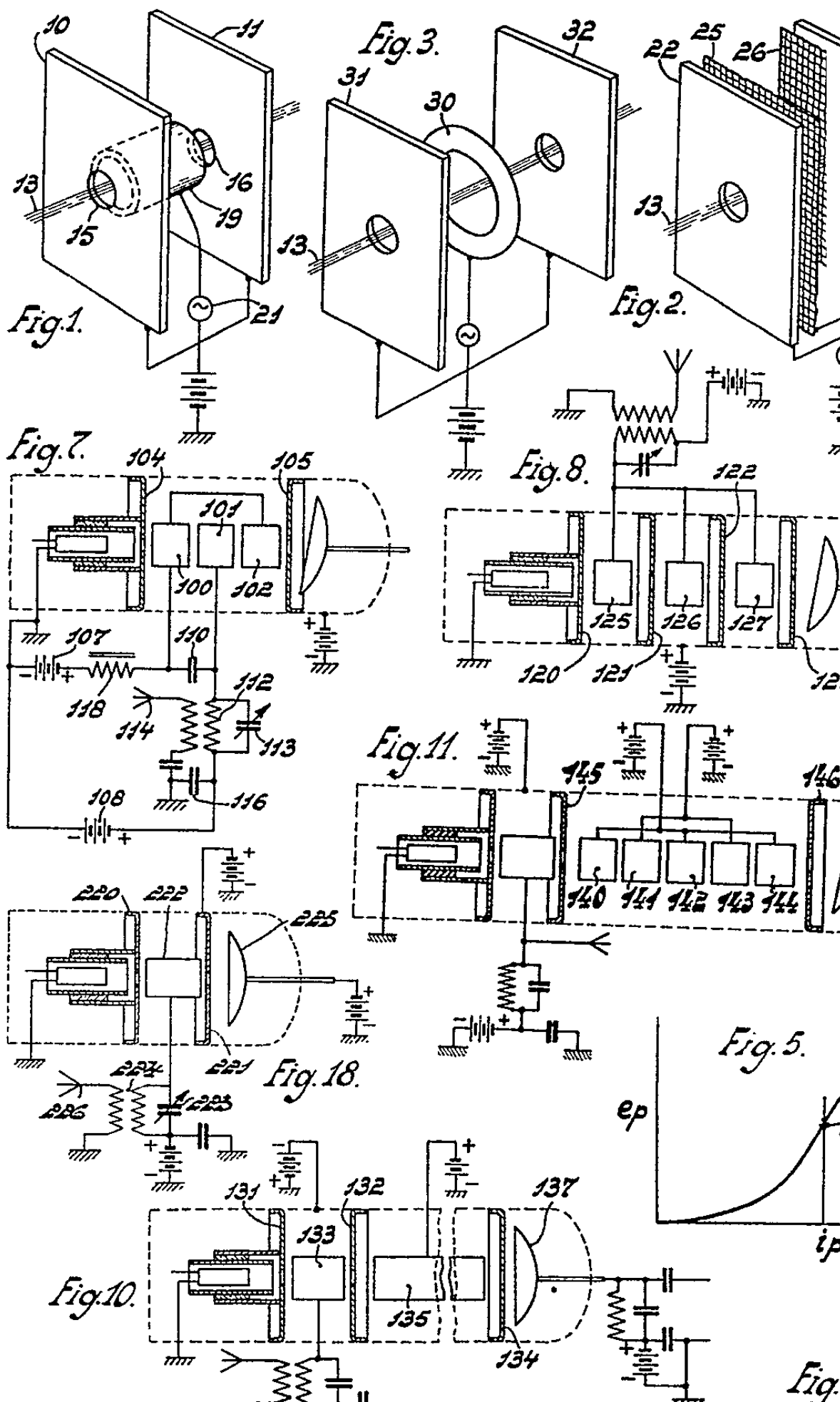
Family 6/25 - FAMPAT - ©Questel

Title

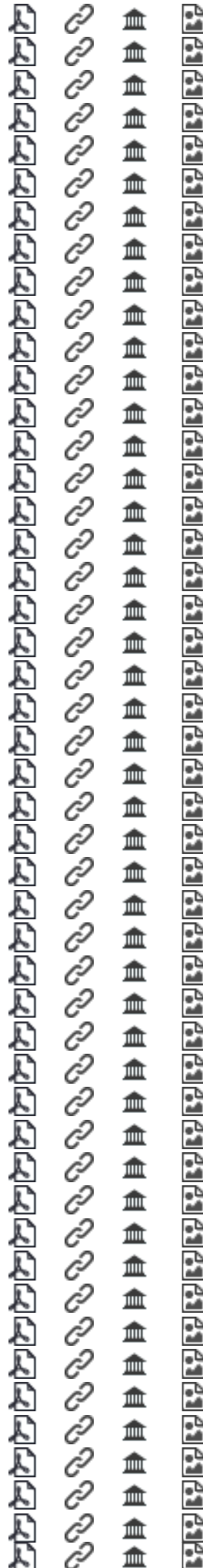
(US2192049)

Electron beam device

Images



BE437339	A	0	BE-437339
BE436872	A	0	BE-436872
BE434657	A	0	BE-434657
BE433819	A	0	BE-433819
FR840676	A	1939-05-02	FR-840676
CH208065	A	1939-12-31	CH-208065
GB518015	A	1940-02-15	GB-518015
US2192049	A	1940-02-27	US2192049
US2200986	A	1940-05-14	US2200986
US2200962	A	1940-05-14	US2200962
FR855554	A	1940-05-15	FR-855554
US2220840	A	1940-11-05	US2220840
US2220839	A	1940-11-05	US2220839
FR50493	E	1940-11-14	FR--50493E
US2222899	A	1940-11-26	US2222899
US2222902	A	1940-11-26	US2222902
US2222901	A	1940-11-26	US2222901
US2224122	A	1940-12-03	US2224122
GB533500	A	1941-02-14	GB-533500
GB533826	A	1941-02-20	GB-533826
GB533939	A	1941-02-24	GB-533939
US2233166	A	1941-02-25	US2233166
US2235527	A	1941-03-18	US2235527
US2240183	A	1941-04-29	US2240183
FR50997	E	1941-05-19	FR--50997E
FR51024	E	1941-05-28	FR--51024E
FR51015	E	1941-05-28	FR--51015E
US2247338	A	1941-06-24	US2247338
US2266595	A	1941-12-16	US2266595
FR51215	E	1941-12-20	FR--51215E
BE442681	A	1942-02-28	BE-442681
BE441873	A	1942-02-28	BE-441873
US2276806	A	1942-03-17	US2276806
CH222371	A	1942-07-15	CH-222371
US2292151	A	1942-08-04	US2292151
FR51488	E	1942-08-12	FR--51488E
FR51485	E	1942-08-12	FR--51485E
FR51484	E	1942-08-12	FR--51484E
FR51483	E	1942-08-12	FR--51483E
BE446480	A	1942-08-31	BE-446480
CH223415	A	1942-09-15	CH-223415
FR51527	E	1942-10-05	FR--51527E
GB553266	A	1943-05-14	GB-553266
FR51864	E	1943-05-24	FR--51864E
FR51863	E	1943-05-24	FR--51863E
FR51862	E	1943-05-24	FR--51862E
GB553529	A	1943-05-26	GB-553529
GB555864	A	1943-09-10	GB-555864



CN103717186	A	2014-04-09	CN103717186				
BR112014003172	A1	2014-05-20	BR112014003172				
EP2741721	A1	2014-06-18	EP2741721				
JP2014529731	A	2014-11-13	JP2014529731				
EP2741721	A4	2015-04-22	EP2741721				
BR112014003172	A2	2017-02-21	BR112014003172				
CN103717186	B	2017-03-15	CN103717186B				
JP6126092	B2	2017-05-10	JP6126092				
US9681996	B2	2017-06-20	US9681996				
US2017252227	A1	2017-09-07	US20170252227				
TWI608233	B	2017-12-11	TWI608233				

Abstract

(EP2741721)

A wetness sensor includes a self-supporting substrate and an electrically conductive trace carried by the substrate. The trace is patterned to provide at least a portion of a tuned RF circuit, which may be disposed on only one side of the substrate and characterized by an **impedance** or resistance. The trace is not self-supporting. The substrate is adapted to dissolve, swell, or otherwise degrade when contacted by a target fluid. Such degradation produces a drastic change in the operation of the RF circuit, which can be interpreted by a remote reader as a "wet" condition. Contact of the substrate by the target fluid may change the **impedance** or resistance of the RF circuit by at least a factor of 5, 10, 100, or 1000, and/or may cause the trace to disintegrate so as to provide the RF circuit with an open circuit, and/or may substantially render the RF circuit inoperative.

Inventors

PRIOLEAU LORI-ANN S

JOHNSON JUSTIN M

LORENTZ ROBERT D

BADRI BRINDA B

VANOUS JAMES C

CHATTERTON JACOB D

PERRON STEVEN J

BATTLES DONALD R

VEERARAGHAVAN BADRI

Latest standardized assignees - inventors removed

3M INNOVATIVE PROPERTIES

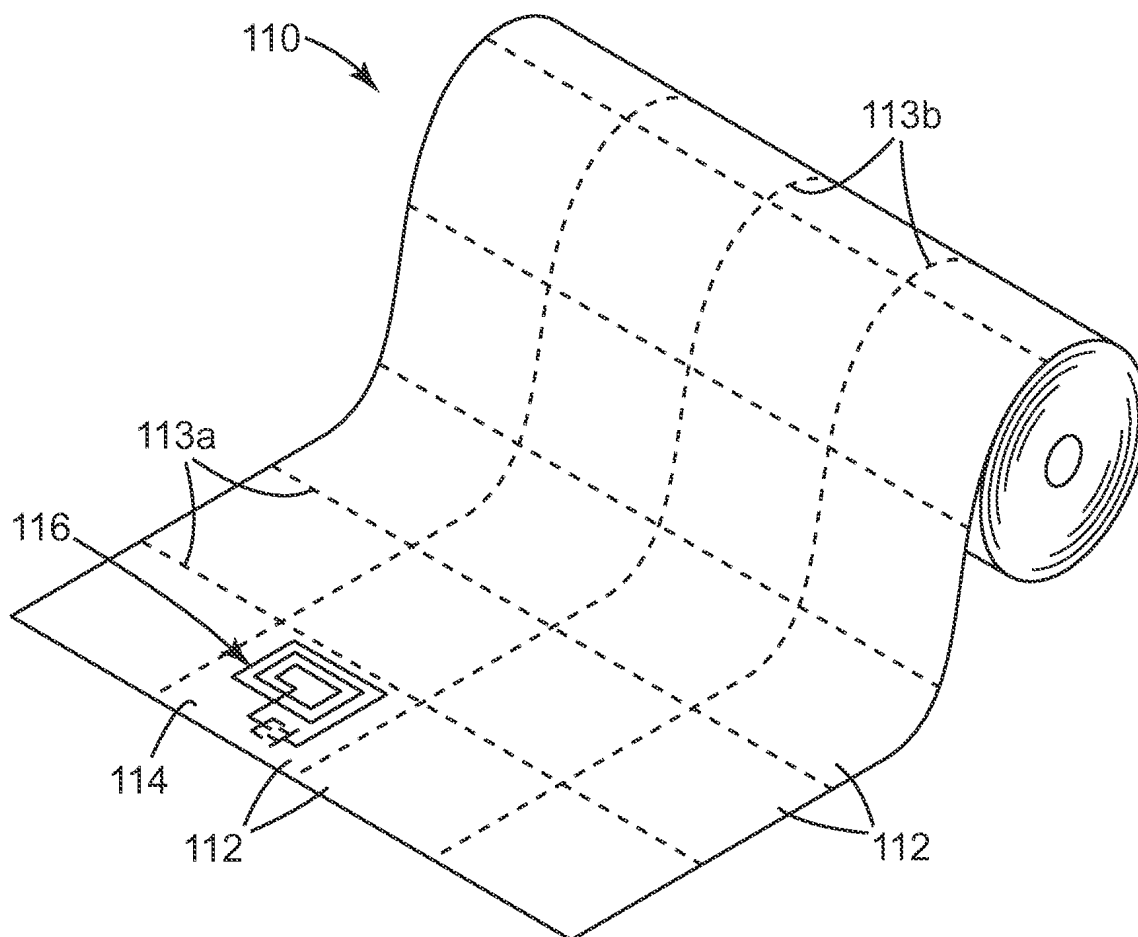
Family 8/25 - FAMPAT - ©Questel

Title

(EP2742343)

Wetness sensor using rf circuit with frangible link

Images



Publication data including kind & date

CA2844826	A1	2013-02-14	CA2844826
WO2013023054	A2	2013-02-14	WO201323054
US2013036802	A1	2013-02-14	US20130036802
TW201312104	A	2013-03-16	TW201312104
WO2013023054	A3	2013-05-10	WO201323054
CN103797360	A	2014-05-14	CN103797360
BR112014003174	A1	2014-05-20	BR112014003174
EP2742343	A2	2014-06-18	EP2742343
JP2014529732	A	2014-11-13	JP2014529732
US8978452	B2	2015-03-17	US8978452
EP2742343	A4	2015-04-01	EP2742343
US2015148762	A1	2015-05-28	US20150148762
CN103797360	B	2015-11-25	CN103797360B
BR112014003174	A2	2017-02-21	BR112014003174
US9782302	B2	2017-10-10	US9782302
JP2017207503	A	2017-11-24	JP2017207503
JP6263472	B2	2018-01-17	JP6263472
TWI612299	B	2018-01-21	TWI612299



Abstract

(EP2742343)

A wetness sensor includes a substrate that carries a tuned RF circuit. The circuit includes a conductive pattern applied to the substrate, a capacitor, and a jumper all disposed on a same side of the substrate. The conductive pattern includes an inductive coil, and an inner and outer terminus. The jumper electrically couples the inner terminus to the outer terminus. The jumper also includes a frangible link which, when contacted by a target fluid, produces a drastic change in the operation of

the RF circuit. The drastic change can be interpreted by a remote reader as a "wet" condition. Contact of the frangible link by the target fluid may change the **impedance** or resistance of the RF circuit by at least a factor of 5, 10, 100, or more, and/or may cause the frangible link to disintegrate to produce an open circuit, and/or may substantially render the RF circuit inoperative.

Inventors

JOHNSON JUSTIN M

PRIOLEAU LORI-ANN S

BADRI BRINDA B

VANOUS JAMES C

LORENTZ ROBERT D

CHATTERTON JACOB D

PERRON STEVEN J

BATTLES DONALD R

Latest standardized assignees - inventors removed

3M INNOVATIVE PROPERTIES

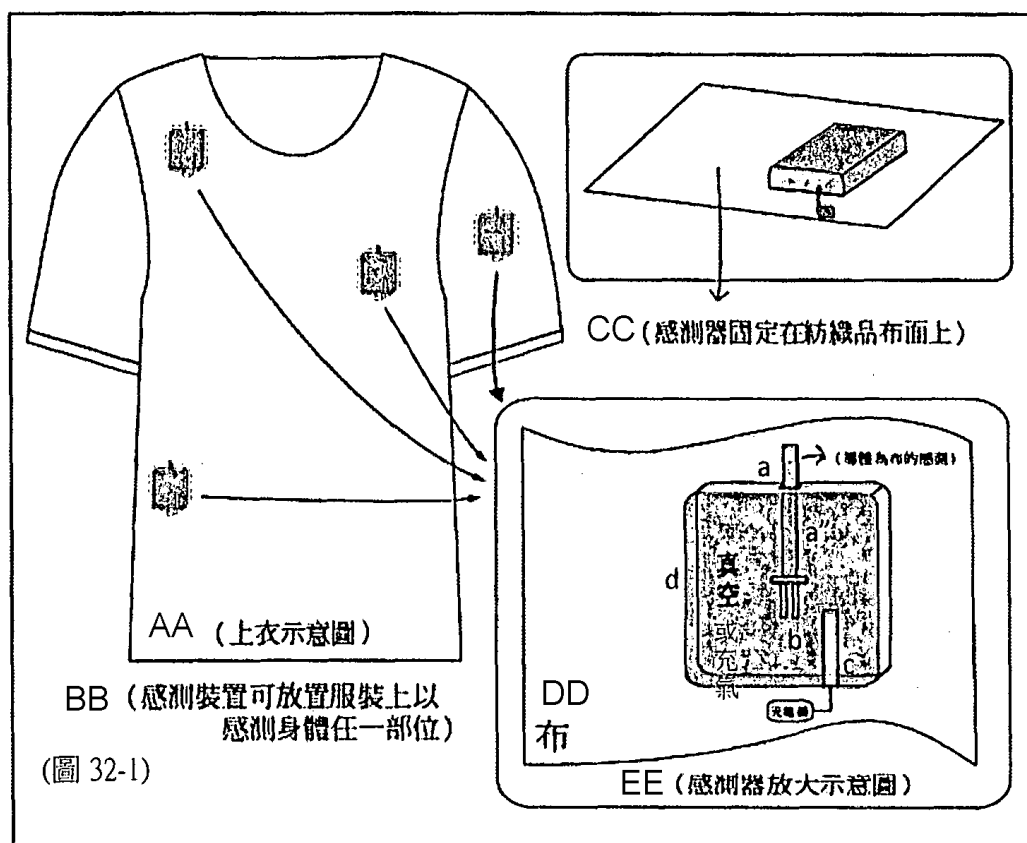
Family 9/25 - FAMPAT - ©Questel

Title

(WO2017174031)

Sensing system utilizing multifunctional fabric, method, and object

Images



a (blurry)

c Charging electrode

d Vacuumed or nitrogen filled

AA Diagram of a top

BB Sensor can be placed at the clothes to detect any part of the body

CC Sensor is fixed at the fabric surface

DD Fabric

EE Sensor magnification view

Publication data including kind & date

WO2017174031

A1 2017-10-12 WO2017174031



Abstract

(WO2017174031)

A sensing system utilizing a multifunctional fabric provides capabilities of self-monitoring and monitoring the ambient environment before using the sensing fabric, and consequently, the system can determine whether the fabric is operating properly before using the fabric. The system can continuously provide information for determining a previous sensing result as well as continuously monitoring a signal of interest. If a problem occurs in any interval, the system can notify a user or a monitoring center of the problem, and resolves the problem so as to provide an uninterrupted monitored signal, achieving full-time monitoring. As a result, it is not required to frequently replace the sensing fabric, resulting in an environmental friendly effect. More importantly, the system has an energy generation mechanism and can conserve the energy. The system is applicable to a human being or animal. The monitored items include: a heartbeat, breathing, temperature, perspiration, blood pressure, blood oxygen, posture, gait, excretion, bleeding detection, and others. A pattern or body paint can be applied to the skin to serve as a transmission line or **electrode**, or provide an insulation effect, or provide an effect of discharging static electricity. The system on the fabric can interact with each other, or the two can synchronously operate, and serve as a backup of each other. Moreover, static electricity on bodies, clothes, shoes, chairs can be monitored, and

the static electricity can be removed even stored. An electrostatic effect can be utilized to attract the fabric to a body and measure a physiological signal. Also, electricity can be generated by magnetic induction. The system is applicable in entertainment and leisure, and can be used to identify human being or animals.

Inventors

YANG CHANG MING

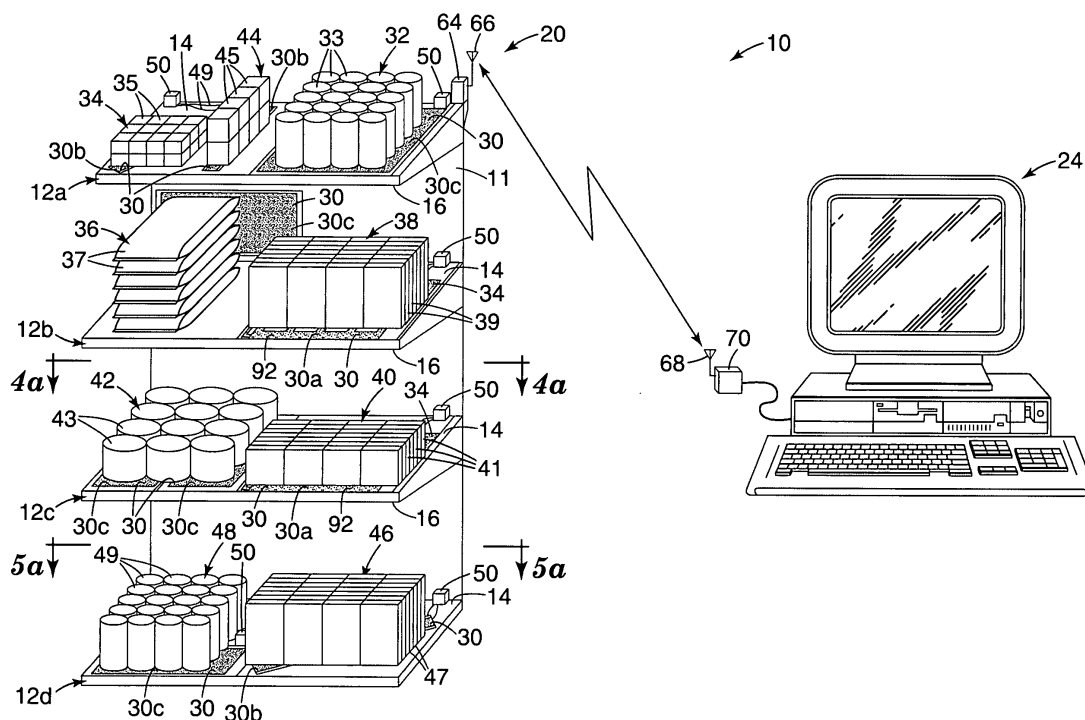
Family 10/25 - FAMPAT - ©Questel

Title

(EP1723587)

An item monitoring system and methods of using an item monitoring system

Images



Publication data including kind & date

US2005190072	A1	2005-09-01	US20050190072
WO2005093626	A2	2005-10-06	WO200593626
CA2557692	A1	2005-10-06	CA2557692
AU2005225972	A1	2005-10-06	AU2005225972
TW200604889	A	2006-02-01	TW200604889
EP1723587	A2	2006-11-22	EP1723587
KR20060135834	A	2006-12-29	KR20060135834
CN1947142	A	2007-04-11	CN1947142
BRPI0508030	A1	2007-07-03	BRPI0508030
JP2007525393	A	2007-09-06	JP2007525393
BRPI0508030	A2	2011-03-29	BR200508030



Abstract

(EP1723587)

An item monitoring system and method of using an item monitoring system. The present invention relates more particularly to an item monitoring system including a sensor, that senses a plurality of items in a first amount of space associated with the sensor and that senses both items containing metal and items containing no metal, a communications network, and a computer that receives information from the sensor through the communications network. The present invention also relates more particularly to a method of monitoring items to determine the number of items within a first amount of space

associated with the sensor.

(From KR20060135834 A)

Inventors

BROWN KATHERINE A

BEHUN CATHERINE H

CHEN KAILEEN

ERICKSON DAVID P

JESME RONALD D

KNUDSON ORLIN B

LORENTZ ROBERT D

MCGEE JAMES P

SAINATI ROBERT A

SOLEFACK LUCIEN B

TUNGJUNYATHAM JUSTIN

YUNGERS CHRISTOPHER R

Latest standardized assignees - inventors removed

3M INNOVATIVE PROPERTIES

Family 11/25 - FAMPAT - ©Questel

Title

(WO201794794)

Sanitary article equipped with moisture-detecting rfid tag

Images

図 1

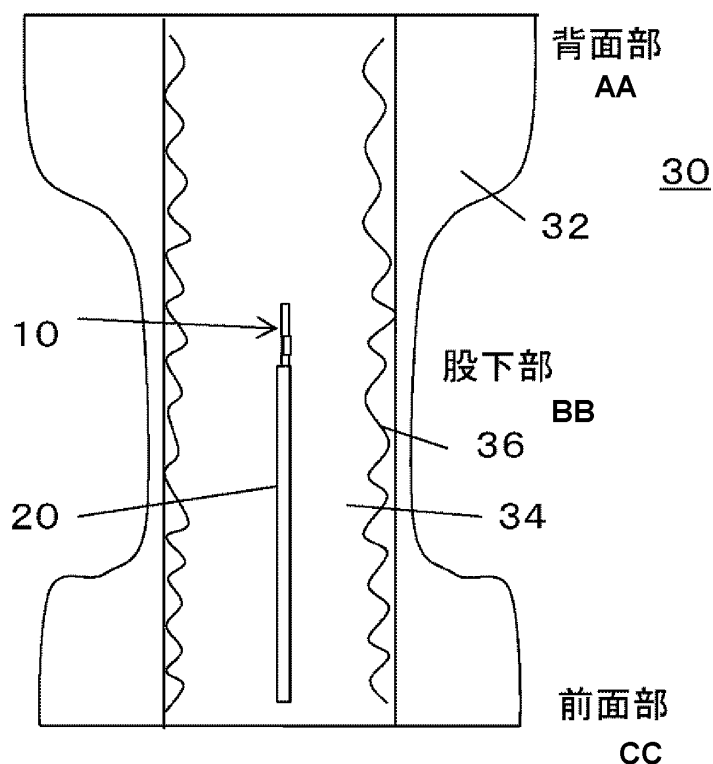


FIG. 1:

AA Back part

BB Inseam part

CC Front part

Publication data including kind & date[WO2017094794](#)

A1 2017-06-08

WO201794794

**Abstract**

(WO201794794)

This sanitary article equipped with a moisture-detecting RFID tag is provided with: a water absorbing material; a moisture-detecting RFID tag that is disposed adjacent to the water absorbing material; and a relay antenna that is connected to the moisture-detecting RFID tag and expands the range in which communication is possible by relaying the output of the moisture-detecting RFID tag. The moisture-detecting RFID tag includes an RFIC element and an antenna element connected to the RFIC element. The moisture-detecting RFID tag is configured so as to output a change in communication distance or signal strength resulting from a change in the amount of moisture contained in the water absorbing material.

Inventors

OMORI RYOHEI

KATO NOBORU

KOMAKI KUNIHIRO

Latest standardized assignees - inventors removed

MURATA MANUFACTURING

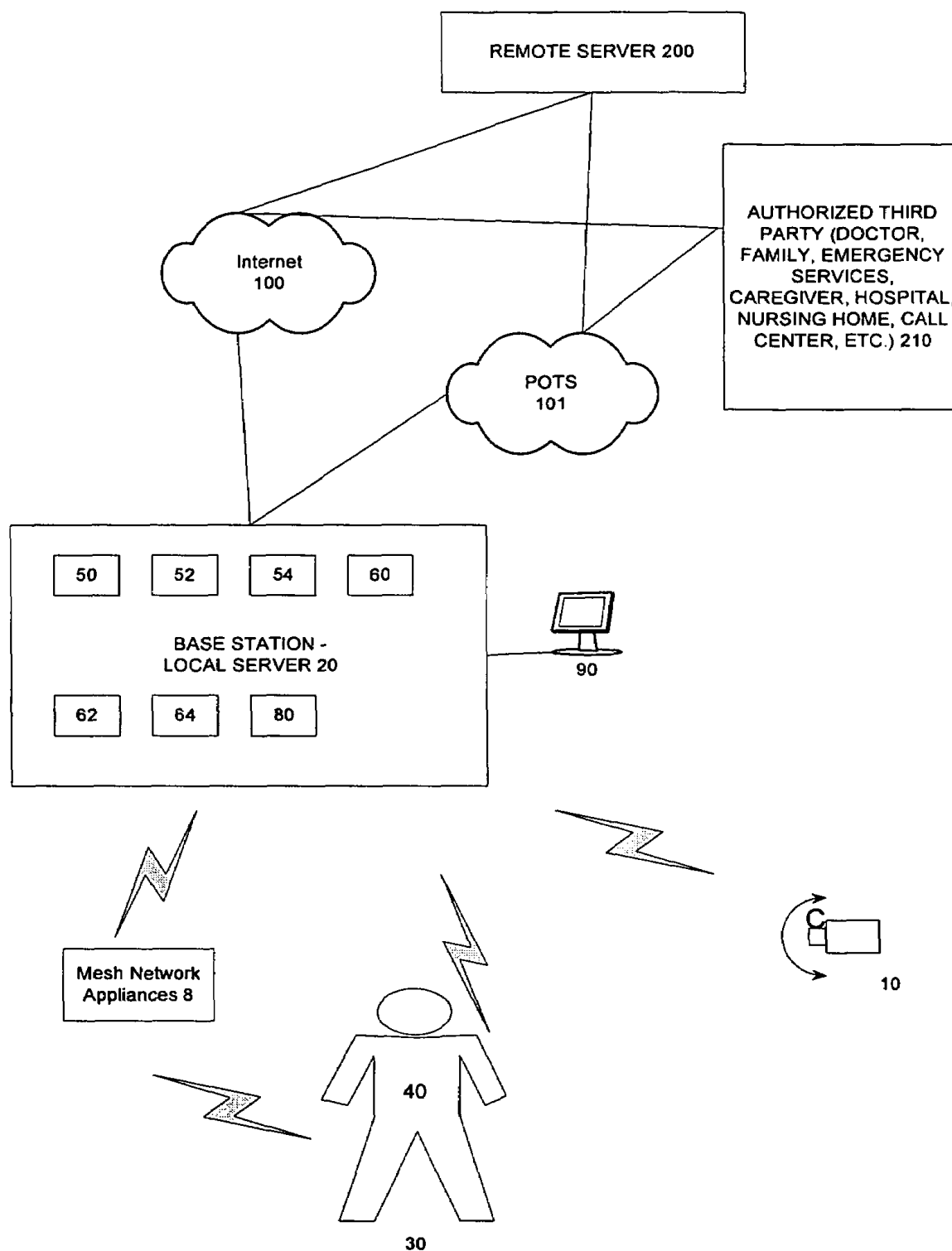
Family 12/25 - FAMPAT - ©Questel

Title

(US9028405)

Personal monitoring system

Images



Publication data including kind & date

US2007273504	A1	2007-11-29	US20070273504
US7539533	B2	2009-05-26	US7539533
US2009227876	A1	2009-09-10	US20090227876
US8103333	B2	2012-01-24	US8103333
US2012095352	A1	2012-04-19	US20120095352
US8323188	B2	2012-12-04	US8323188
US2013172691	A1	2013-07-04	US20130172691
US8684900	B2	2014-04-01	US8684900
US2014143064	A1	2014-05-22	US20140143064
US9028405	B2	2015-05-12	US9028405



Abstract

(US9028405)

A system includes a processor; a cellular, WiFi, or Bluetooth transceiver coupled to the processor; an accelerometer or a motion sensor coupled to the processor; and a sensor coupled to the processor to sense mood, wherein text, image, sound, or video is rendered in response to the sensed mood.

Inventors

TRAN BAO

Latest standardized assignees - inventors removed

PHILIPS

Family 13/25 - FAMPAT - ©Questel

Title

(US9107586)

Fitness monitoring

Images

Abstract

(US9107586)

A mobile system for a user includes a telephone having one or more sensors to capture fitness data or vital sign data, the telephone having a wireless transceiver coupled to the processor to communicate fitness or vital sign data over a personal area network; and a processor coupled to the personal area network to process the fitness or vital sign data.

Inventors

TRAN BAO

Latest standardized assignees - inventors removed

PHILIPS

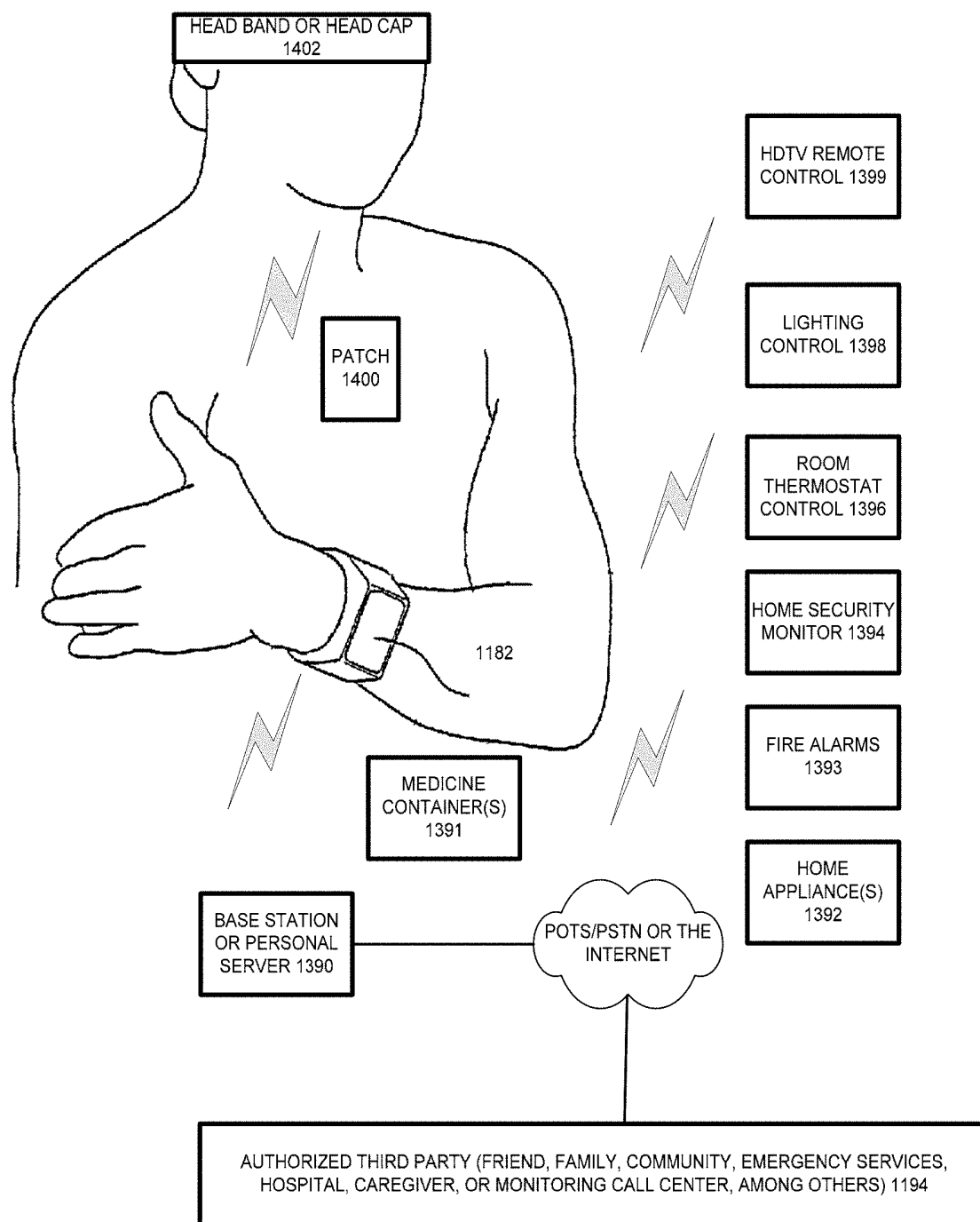
Family 14/25 - FAMPAT - ©Questel

Title

(US9907473)

Personal monitoring system

Images

**Publication data including kind & date**

US2016287166	A1	2016-10-06	US20160287166
US9907473	B2	2018-03-06	US9907473
US2018168459	A1	2018-06-21	US20180168459

**Abstract**

(US9907473)

A system includes a processor; a cellular, WiFi, or Bluetooth transceiver coupled to the processor; an accelerometer or a motion sensor coupled to the processor; and a sensor coupled to the processor to sense mood, wherein text, image, sound, or video is rendered in response to the sensed mood.

Inventors

TRAN BAO

Latest standardized assignees - inventors removed

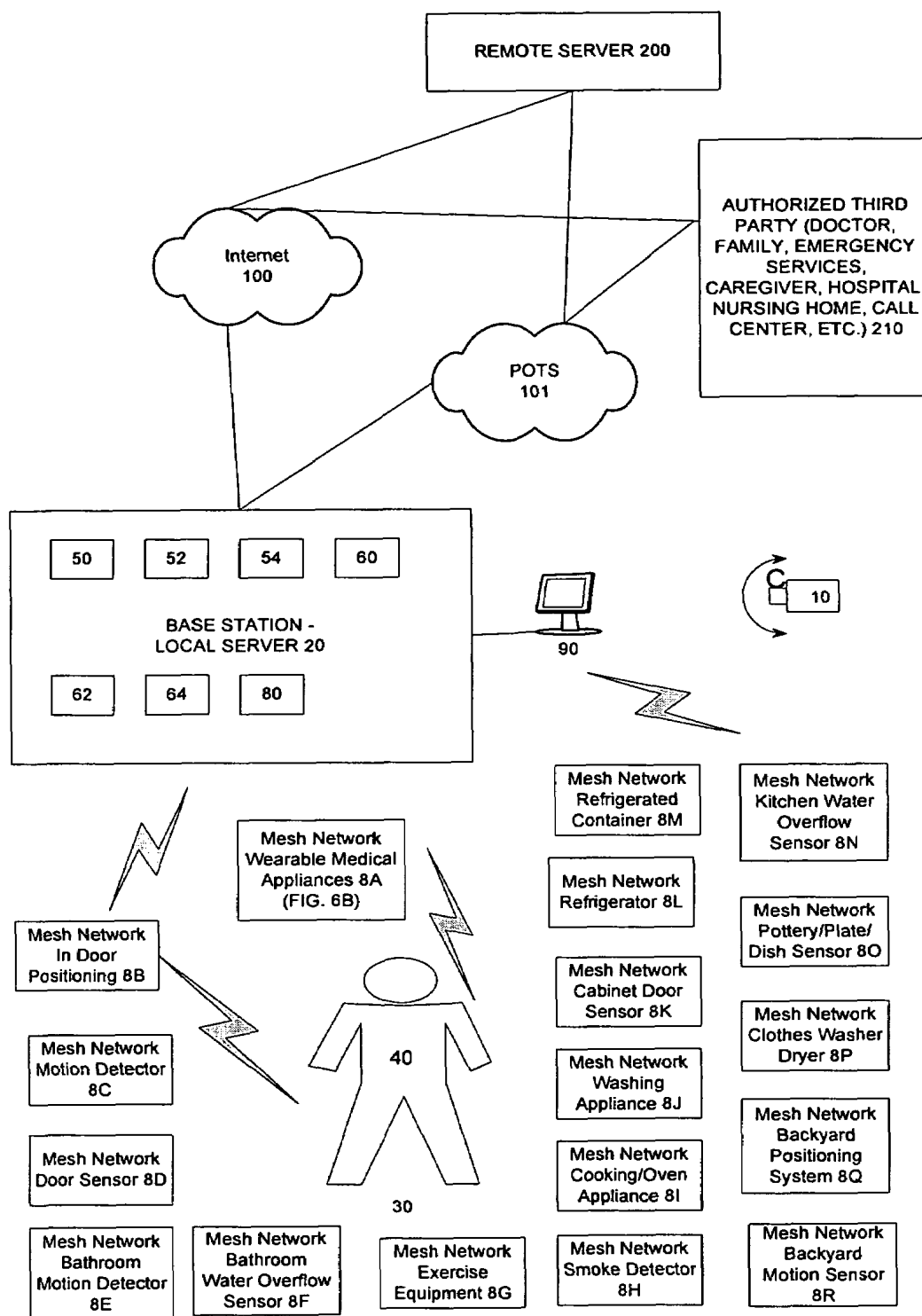
PHILIPS

Family 15/25 - FAMPAT - ©Questel

Title

(US9901252)

Mesh network personal emergency response appliance

Images**Publication data including kind & date**

US2008001735	A1	2008-01-03	US20080001735
US7733224	B2	2010-06-08	US7733224
US2011115624	A1	2011-05-19	US20110115624
US2011181422	A1	2011-07-28	US20110181422
US2012092157	A1	2012-04-19	US20120092157



US2012092156	A1	2012-04-19	US20120092156				
US2013009783	A1	2013-01-10	US20130009783				
US8461988	B2	2013-06-11	US8461988				
US2013211291	A1	2013-08-15	US20130211291				
US8525687	B2	2013-09-03	US8525687				
US8525673	B2	2013-09-03	US8525673				
US8531291	B2	2013-09-10	US8531291				
US8680991	B2	2014-03-25	US8680991				
US2014104059	A1	2014-04-17	US20140104059				
US8747336	B2	2014-06-10	US8747336				
US2014163425	A1	2014-06-12	US20140163425				
US2016140834	A1	2016-05-19	US20160140834				
US9351640	B2	2016-05-31	US9351640				
US2016360965	A1	2016-12-15	US20160360965				
US9775520	B2	2017-10-03	US9775520				
US2017347886	A1	2017-12-07	US20170347886				
US9901252	B2	2018-02-27	US9901252				

Abstract

(US9901252)

A monitoring system includes one or more wireless nodes forming a wireless mesh network; a user activity sensor including a wireless mesh transceiver adapted to communicate with the one or more wireless nodes using the wireless mesh network; and a digital monitoring agent coupled to the wireless transceiver through the wireless mesh network to request assistance from a third party based on the user activity sensor.

Inventors

TRAN BAO

Latest standardized assignees - inventors removed

PHILIPS

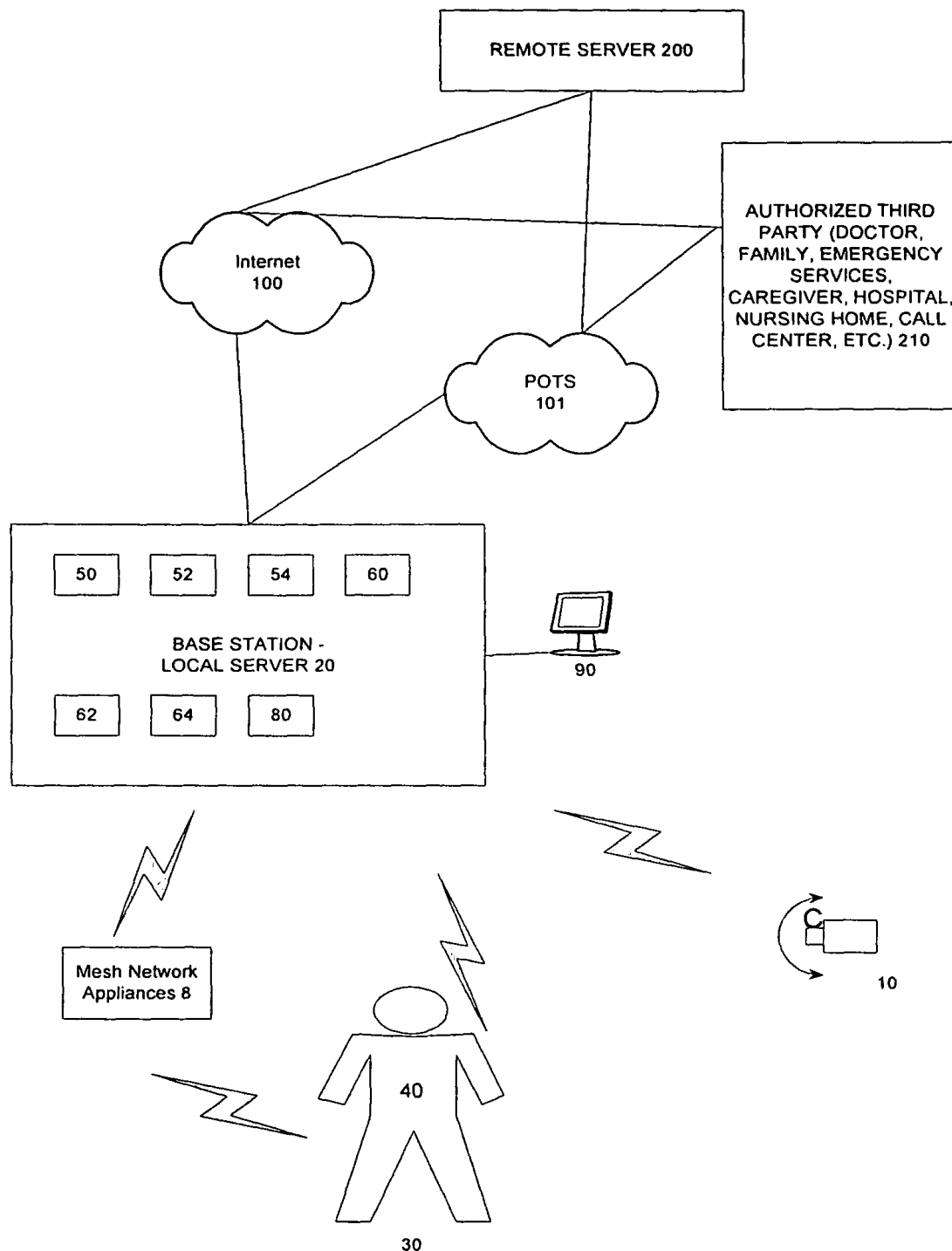
Family 16/25 - FAMPAT - ©Questel

Title

(US9820658)

Systems and methods for providing interoperability among healthcare devices

Images

**Publication data including kind & date**

US2008004904	A1	2008-01-03	US20080004904
US9820658	B2	2017-11-21	US9820658

**Abstract**

(US9820658)

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

Inventors

TRAN BAO Q

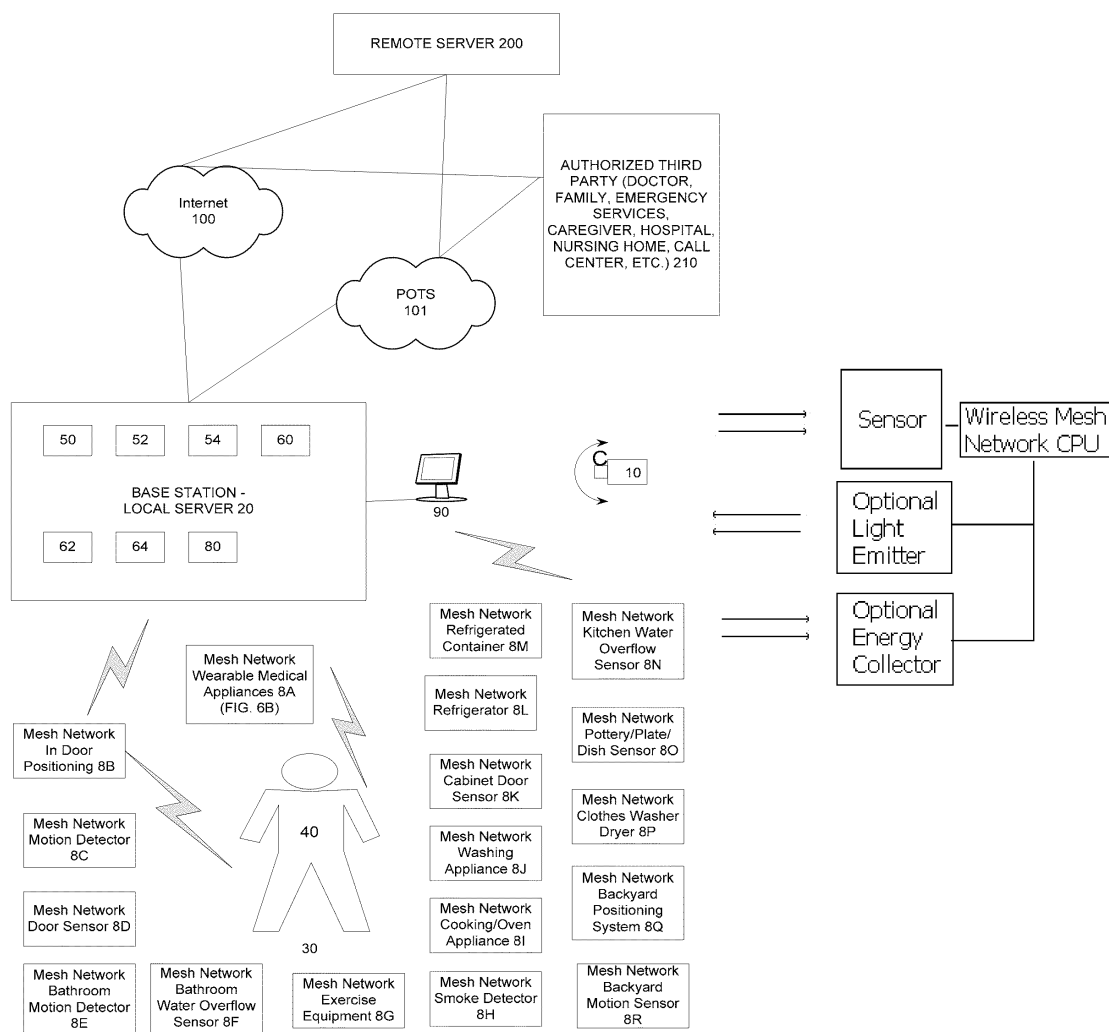
Family 17/25 - FAMPAT - ©Questel

Title

(US9204796)

Personal emergency response (PER) system

Images



Publication data including kind & date

US2014077946	A1	2014-03-20	US20140077946
US9204796	B2	2015-12-08	US9204796



Abstract

(US9204796)

A system includes one or more sensors to detect activities of a mobile object; and a processor coupled to the sensor and the wireless transceiver to classify sequences of motions into groups of similar postures each represented by a model and to apply the models to identify an activity of the object.

Inventors

TRAN BAO

Latest standardized assignees - inventors removed

EMPIRE IP

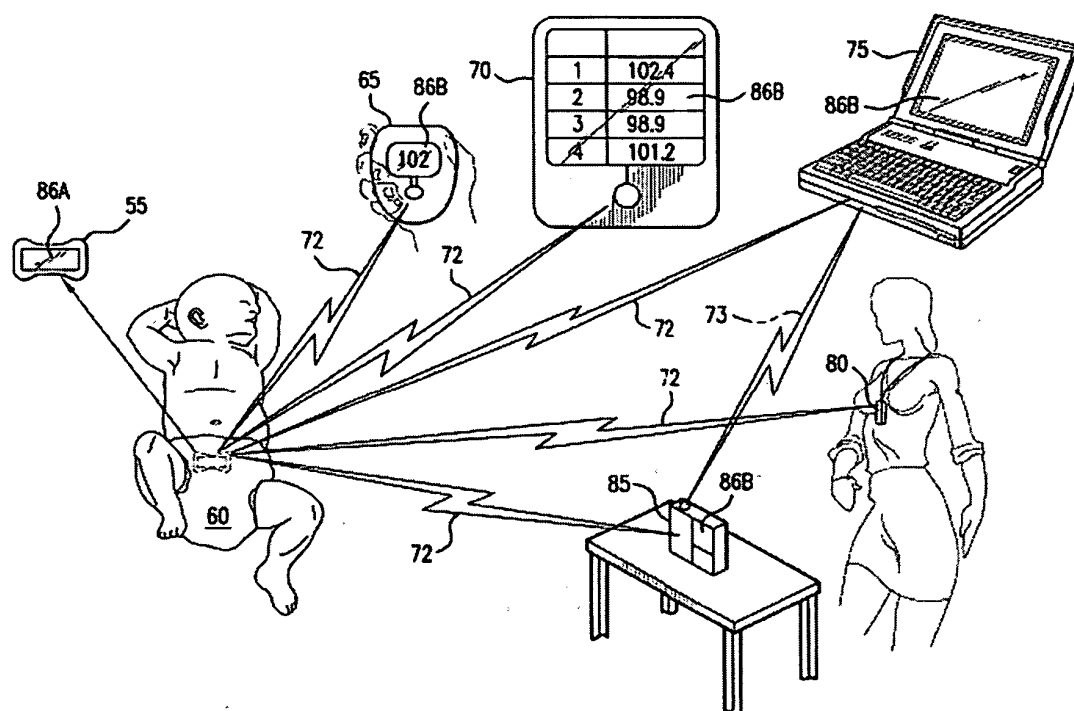
Family 18/25 - FAMPAT - ©Questel

Title

(US20140232516)

Contextual and presence sensing to operate electronic devices

Images



Publication data including kind & date

US2008167535	A1	2008-07-10	US20080167535
US2014203797	A1	2014-07-24	US20140203797
US2014232516	A1	2014-08-21	US20140232516



Abstract

(US20140232516)

A monitoring system comprises a module having at least one sensor which could be an electric-field sensor within a housing. The device may be durable or disposable. A receiver may be provided to obtain and display data from the module. The module may also display the output data. The output data comprises both detected and derived data relating to physiological and contextual parameters of the wearer and may be transmitted directly to a local recipient or remotely over a communications network. The system is capable of deriving and predicting the occurrence of a number of physiological and conditional states and events and reporting the same as output data.

Inventors

STIVORIC JOHN M
 ANDRE DAVID
 TELLER ERIC
 BOEHMKE SCOTT K
 GASBARRO JAMES A
 FARRINGDON JONATHAN
 PACIONE CHRISTOPHER
 MENKE STEVE
 HANDEL MARK
 VISHNUBHATLA SURESH
 KASABACH CHRISTOPHER D
 HSIUNG ERIC
 HANLON JAMES

Latest standardized assignees - inventors removed

BODYMEDIA

ALIPH

PROJECT PARIS ACQUISITION

MACGYVER ACQUISITION

ALIPHCOM

SILVER LAKE WATERMAN FUND SUCCESSOR

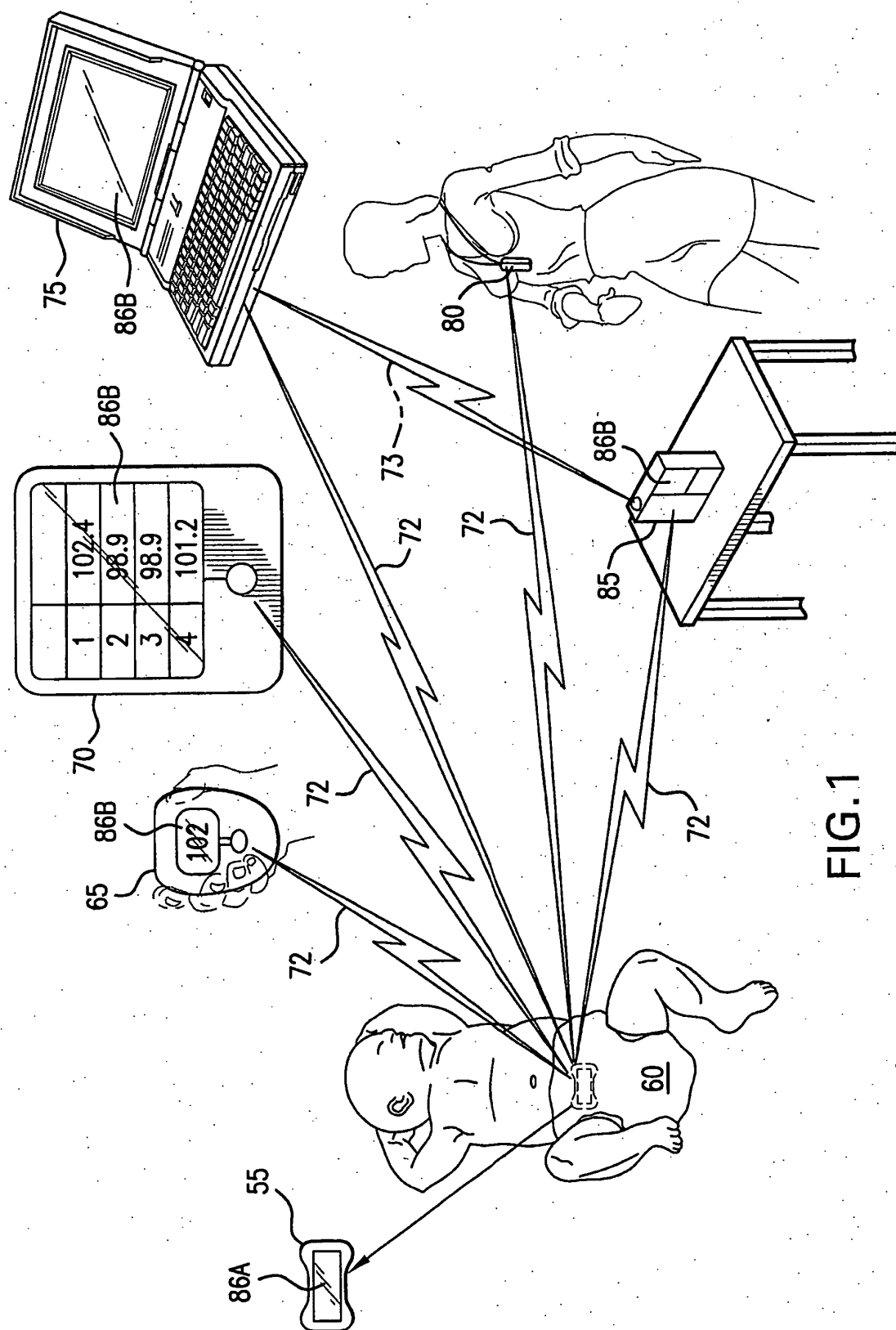
Family 19/25 - FAMPAT - ©Questel

Title

(US20070100666)

Devices and systems for contextual and physiological-based detection, monitoring, reporting, entertainment, and control of other devices

Images



Publication data including kind & date

US2007100666

A1 2007-05-03

US20070100666



Abstract

(US20070100666)

A monitoring system comprises a module having at least one sensor which could be an electric-field sensor within a housing. The device may be durable or disposable. A receiver may be provided to obtain and display data from the module. The module may also display the output data. The output data comprises both detected and derived data relating to physiological and contextual parameters of the wearer and may be transmitted directly to a local recipient or remotely over a communications network. The system is capable of deriving and predicting the occurrence of a number of physiological

and conditional states and events and reporting the same as output data.

Inventors

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Latest standardized assignees - inventors removed

ALIPH

PROJECT PARIS ACQUISITION

MACGYVER ACQUISITION

ALIPHCOM

BODYMEDIA

SILVER LAKE WATERMAN FUND SUCCESSOR

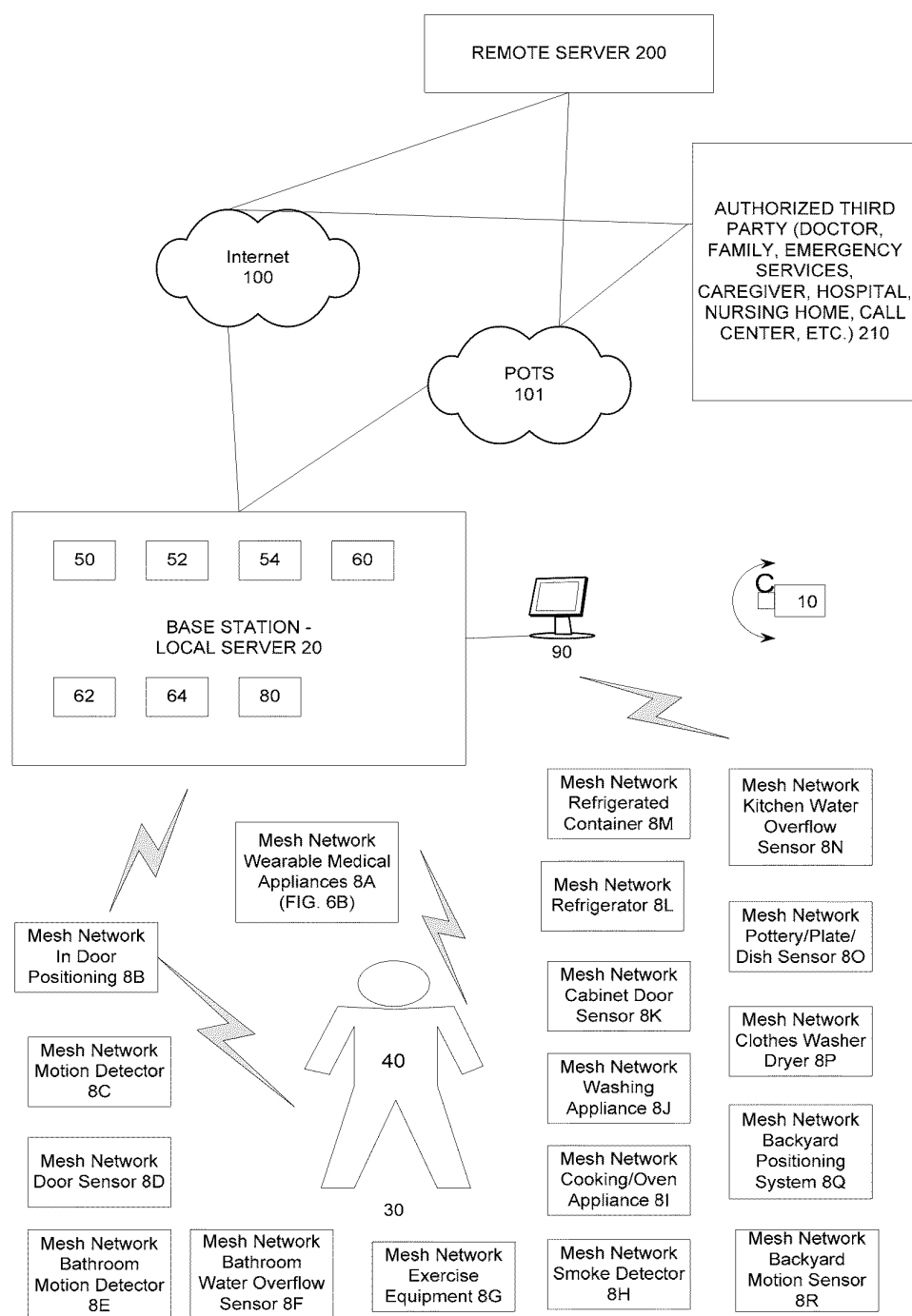
Family 20/25 - FAMPAT - ©Questel

Title

(US20150068069)

Personally powered appliance

Images

**Publication data including kind & date**

US2015068069

A1 2015-03-12

US20150068069

**Abstract**

(US20150068069)

Systems and methods are disclosed for powering a processor and a wireless transceiver in a sole having a sole plate and one or more spring elements disposed in a forefoot area of the sole plate, each of said spring elements including a piezoelectric generator coupled thereto, wherein each of the plurality of spring elements has one free end not directly connected to the sole plate.

Inventors

TRAN ALEXANDER BACH

TRAN HA

TRAN BAO

Latest standardized assignees - inventors removed

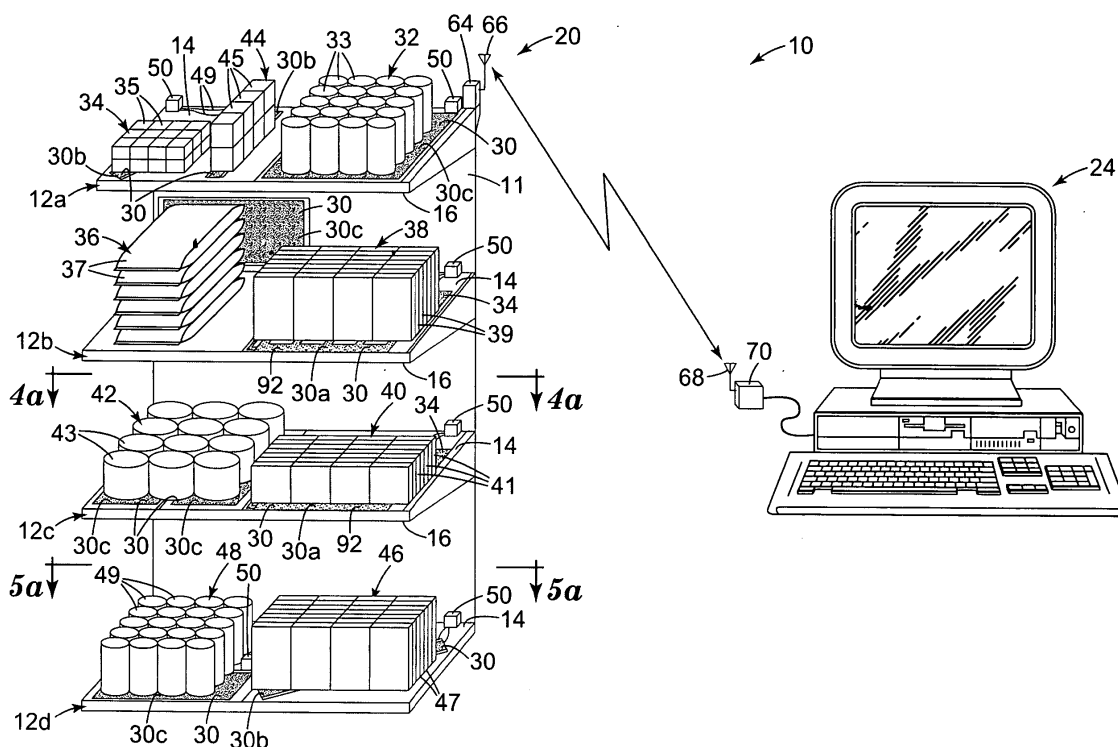
EMPIRE IP

Family 21/25 - FAMPAT - ©Questel

Title

(EP1934857)

An item monitoring system and methods of using an item monitoring system

Images**Publication data including kind & date**

US2006071774	A1	2006-04-06	US20060071774
WO2007024639	A2	2007-03-01	WO200724639
CA2620039	A1	2007-03-01	CA2620039
AU2006283647	A1	2007-03-01	AU2006283647
TW200717349	A	2007-05-01	TW200717349
WO2007024639	A3	2007-05-03	WO200724639
KR20080037042	A	2008-04-29	KR20080037042
AU2006283647	A2	2008-05-01	AU2006283647
EP1934857	A2	2008-06-25	EP1934857
JP2009505113	A	2009-02-05	JP2009505113
CN101548283	A	2009-09-30	CN101548283
BRPI0617068	A2	2011-07-12	BR200617068
BRPI0617068	A2	2011-07-12	BRPI0617068

**Abstract**

(EP1934857)

An item monitoring system and method of using an item monitoring system. The present invention relates more particularly to an item monitoring system including a sensor, that senses a plurality of items in a first amount of space associated with the sensor and that senses both items containing metal and items containing no metal, a communications network, and a computer that receives information from the sensor through the communications network. The present invention also relates more particularly to a method of monitoring items to determine the number of items within a first amount of space

associated with the sensor.

Inventors

BROWN KATHERINE A

BEHUN CATHERINE H

CHEN KAILEEN

ERICKSON DAVID P

JESME RONALD D

KNUDSON ORLIN B

LORENTZ ROBERT D

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SOLEFACK LUCIEN B

TUNGJUNYATHAM JUSTIN

YUNGERS CHRISTOPHER R

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PEARSON SCOTT D

Latest standardized assignees - inventors removed

3M INNOVATIVE PROPERTIES

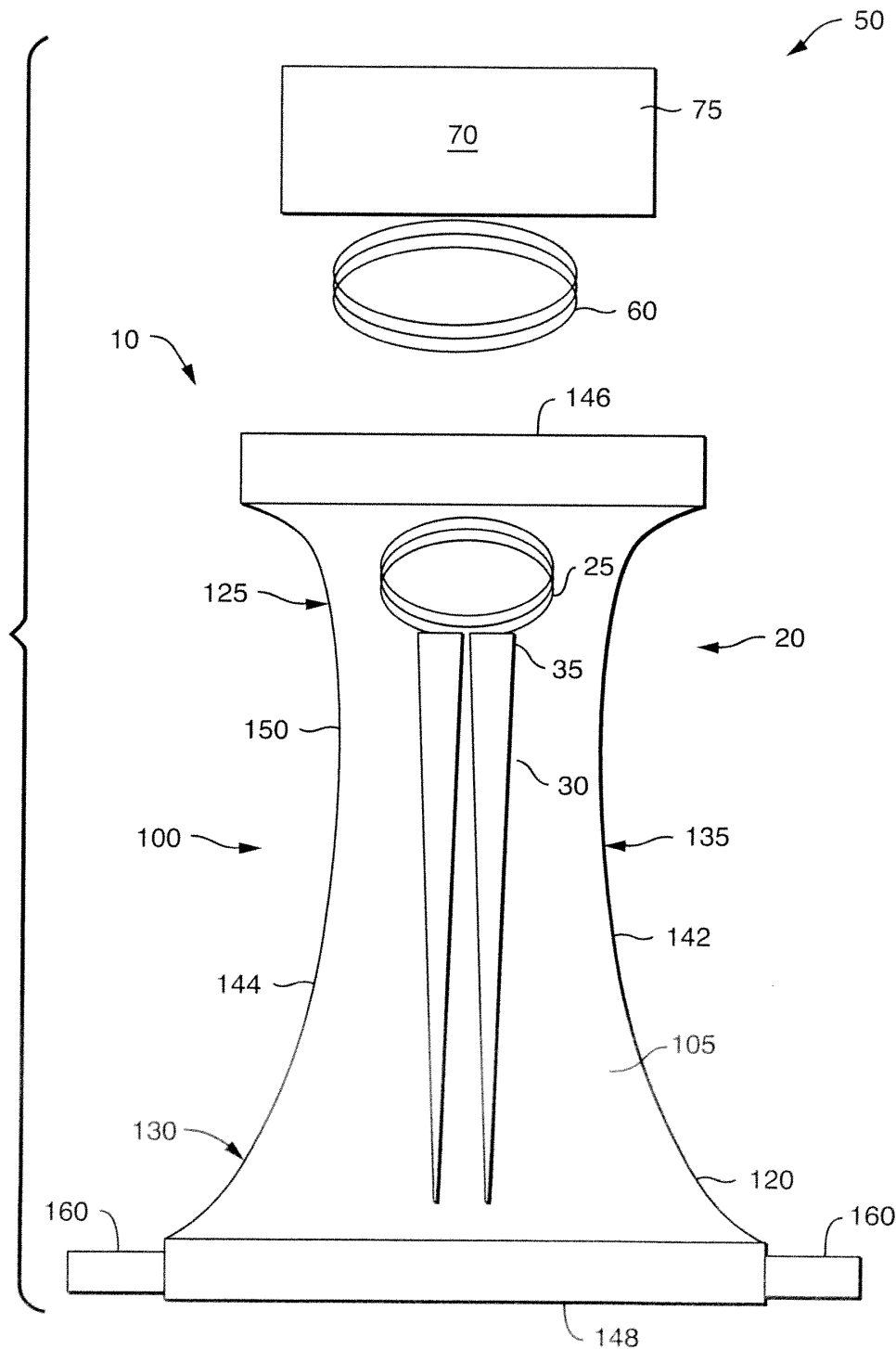
Family 22/25 - FAMPAT - ©Questel

Title

(WO201376593)

Contactless passive sensing for absorbent articles

Images

**Publication data including kind & date**

US2013131618	A1	2013-05-23	US20130131618
WO2013076593	A1	2013-05-30	WO201376593
US9278033	B2	2016-03-08	US9278033

**Abstract**

(WO201376593)

An absorbent article facilitating sensing the presence of a body exudate in the absorbent article includes an absorbent member; a sensor coil disposed on or in the article; and an electrical double-layer capacitor disposed on or in the article and in electrical communication with the sensor coil, wherein the capacitor is in fluid communication with the absorbent member. An absorbent article system also includes a detector circuit including an exciter coil configured for electromagnetic communication with the sensor coil, and sensor electronics configured to indicate the presence of a body exudate based on changes in the electromagnetic communication between the exciter coil and the sensor coil.

Inventors

ABRAHAM JOSE KOLLAKOMPIL
FELDKAMP JOSEPH RAYMOND
SULLIVAN SHAWN JEFFERY
RANGANATHAN SRIDHAR
KAMMRATH ASTER ELLEN

Latest standardized assignees - inventors removed

KIMBERLY CLARK WORLDWIDE

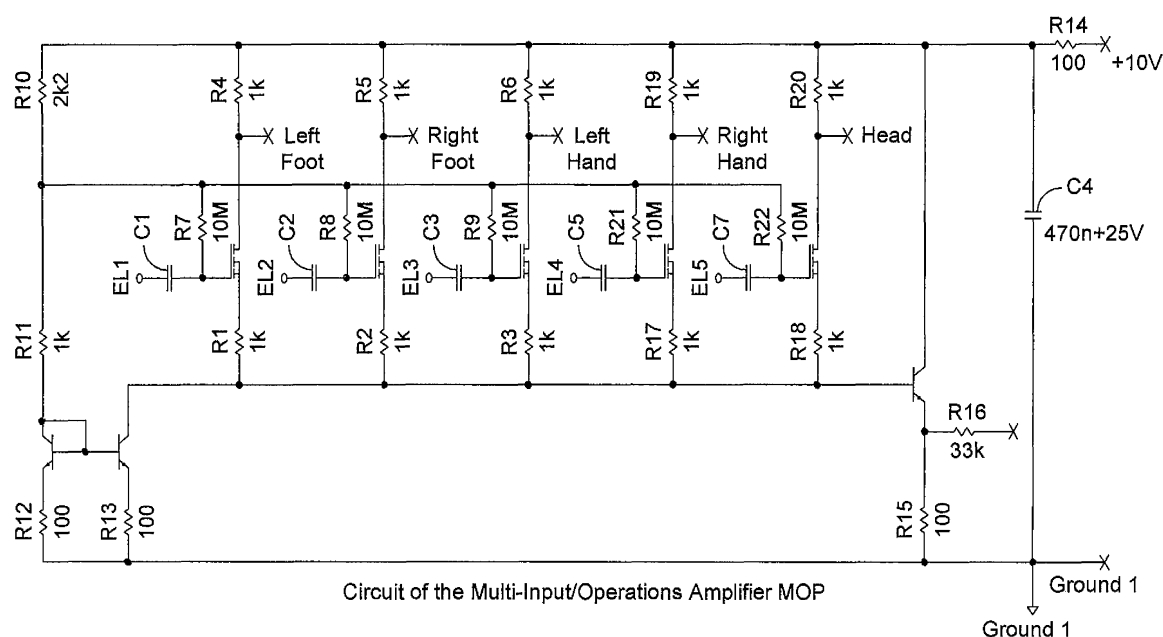
Family 23/25 - FAMPAT - ©Questel

Title

(US8545283)

Interactive doll or stuffed animal

Images



Publication data including kind & date

US2009209170	A1	2009-08-20	US20090209170
US8545283	B2	2013-10-01	US8545283



Abstract

(US8545283)

A toy has a body in the form of a doll or a living being, an audio output to reproduce audio effects, a memory to provide audio data, a controller to control the reproduction of different audio effects based on the reading of the audio data, and a sensor for generating detection signals correlated with the proximity of an object to the toy. The controller is designed in such a way that a selection of the reproduced audio effects depends on an evaluation of the detection signals and of signals generated by a provided interface device that is connected through devices in the play accessories being fed to that controller, and/or being made available for access.

Inventors

RICHTER WOLFGANG

Latest standardized assignees - inventors removed

IDENT TECHNOLOGY

Family 24/25 - FAMPAT - ©Questel

Title

(WO2017149526)

A method and apparatus for cooperative usage of multiple distance meters

Images

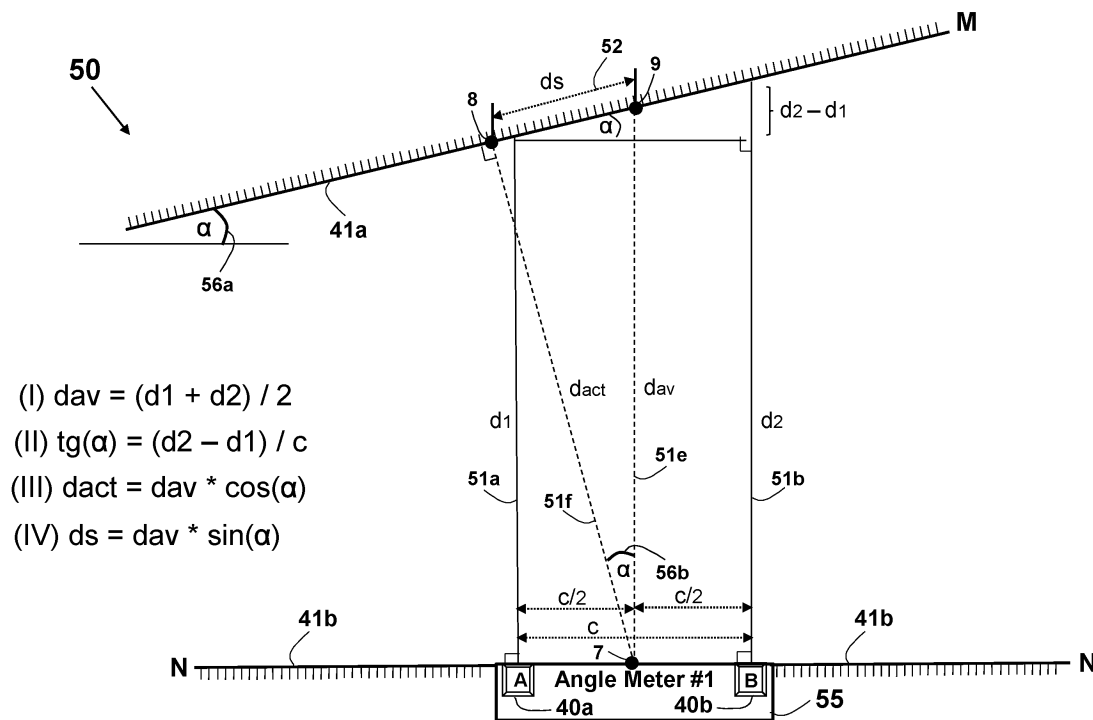


FIG. 5

Publication data including kind & date

WO2017149526 A2 2017-09-08 WO2017149526

WO2017149526 A3 2017-10-05 WO2017149526



Abstract

(WO2017149526)

A method and apparatus for an angle meter cooperatively using two or more non-contact distance meters for measuring distances to a surface along substantially parallel lines. The measured distances are used for estimating or calculating the angle to the surface and the distance to the surface. The distance meters may use optical means, where a visible or non-visible light or laser beam is emitted and received, acoustical means, where an audible or ultrasound sound is emitted and received, or an electro-magnetic scheme, where radar beam is transmitted and received. The distances may be estimated using a Time-of-Flight (TOF), homodyne or heterodyne phase detection schemes. The distance meters may share the same correlator, signal conditioning circuits, or the same sensor. Two or more angle meters may be used defining parallel or perpendicular measurement planes, for measuring angles between surfaces, and for estimating physical dimensions such as length, area or volume.

Inventors

BINDER YEHUDA

Latest standardized assignees - inventors removed

MAY PATENTS

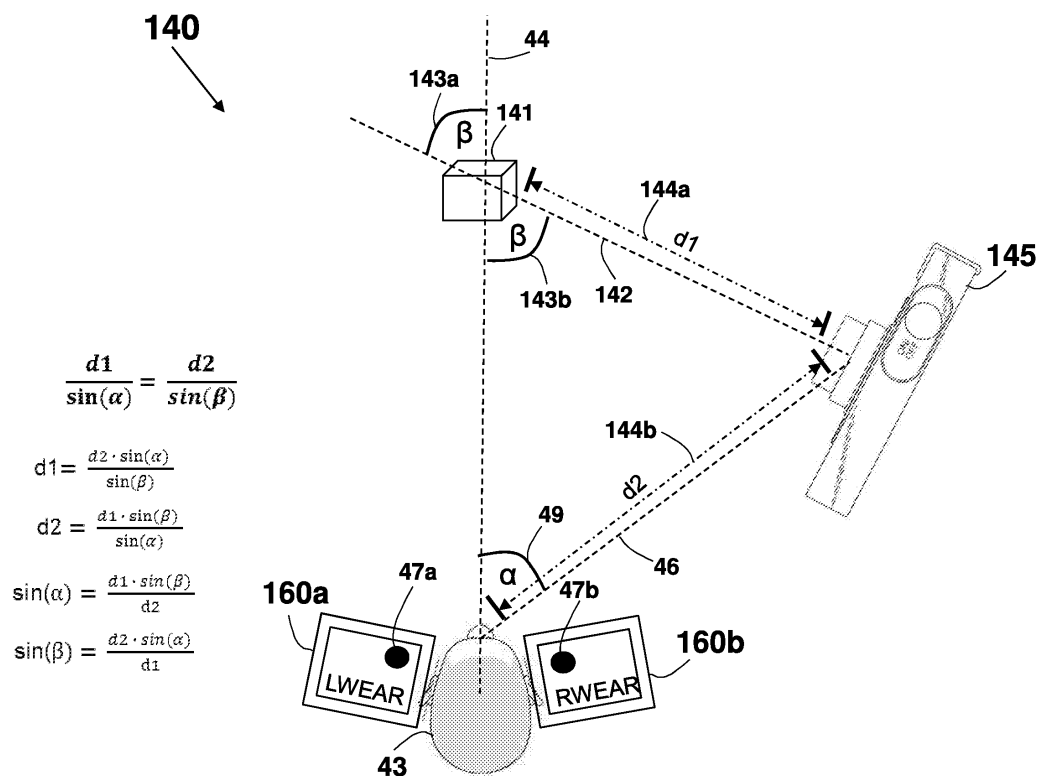
Family 25/25 - FAMPAT - ©Questel

Title

(EP3289430)

Estimating and using relative head pose and camera field-of-view

Images

**Publication data including kind & date**

WO2016174659	A1	2016-11-03	WO2016174659
EP3289430	A1	2018-03-07	EP3289430

**Abstract**

(EP3289430)

A video or still hand-held digital camera is activated or controlled based on estimation of a user head pose or gaze direction. The system comprises uses two wearable devices associated with right and left sides of the user body, each comprises an RF beacon. The head pose or gaze detection is estimated by comparing the signal strength (such as RSSI) or the phase of the RF signals from the wearable devices at the digital camera device. An angular deviation between the head pose (or gaze detection) and the digital camera (such as the line of sight) is estimated, and the digital camera is activated or controlled based on comparing the angular deviation to a set threshold. The RF signals may be Personal Area Network (PAN) signals, such as Bluetooth Low Energy (BLE) signals. The wearable devices may be head mounted, structured as glasses, ear-pieces, headphones, or hat mounted.

Inventors

SIVAN ISHAY

Latest standardized assignees - inventors removed

SNAP AID PATENTS