

50 Documents

Publication numbers	Title	Current assignees
CN205333109U U	Wearable equipment based on ultraviolet ray temperature and humidity measurement	GUANGZHOU XINGLIN INTERNET TECHNOLOGY
WO2015194698 A1	Real-time heat wave measurement map system and method of using same	E3
ES1065496U U	Air purifier	AMBITO DE INVESTIGACION TECNOLOGICA
CN205373775U U	Portable humiture ultraviolet ray detector	SHENZHEN APEXTO TECHNOLOGY
KR20160074830 A	Method and System for Logging and Sensing Outdoor Environments and Method and System for Application Control for Alarm of Outdoor Environments	CENTER INTEGRATED SMART SENSORS FOUNDATION
CN205352475U U	Intelligence humiture ultraviolet ray test system	SHENZHEN APEXTO TECHNOLOGY
KR101709897 B1	Complex environmental sensor transmitter	PARK WOO SUN
WO201146410 A2	Intelligent streetlamp system	HONGIK UNIVERSITY INDUSTRY ACADEMIA COOPERATION
KR20170045606 A	Infant and toddler protecting service system	E3
CN201804429U U	Showcase environment monitoring system based on wireless sensor network	SHANGHAI FULLLIFE INFORMATION TECHNOLOGY
GB200601935 D0	Communication terminal, communication system, and commumication method	NEC
US20080146892 A1	Telemetric apparatus for health and environmental monitoring	VALENCELL
CN104008626 A	Environment-oriented portable and healthy intelligent wireless synthetic perception device and system	HUNAN UNIVERSITY
KR20160028006 A	Method and Apparatus for Logging of Sensing Data in Living Environments	CENTER INTEGRATED SMART SENSORS FOUNDATION
US20100217100 A1	Light-guiding devices and monitoring devices incorporating same	VALENCELL
CN102314754 A	Wireless sensor network based showcase environment monitoring system	SHANGHAI FULLLIFE INFORMATION TECHNOLOGY
US20070004449 A1	Mobile communication device with environmental sensors	GE INVESTMENTS
CN206058825U U	Wireless meteorological display	YAJIE TECHNOLOGY
KR20090108979 A		

Publication numbers	Title	Current assignees
	Ubiquitous streetlight having environment sensor	UNIVERSITY HONGIK INDUSTRY ACAD COOP FDN
KR20170014425 A	Skin care system using tanning time management function of skintfit type and wireless communication function	GPOWER
JP2010121953 A	Portable device incorporating sensor , carbon dioxide concentration measurement/disclosing system, server for the system, program for the server, and program for the portable device	CORE STANDARD
CN204839055U U	Office's intelligence (window) curtain with environment measuring function	JILIN TEACHERS INSTITUTE OF ENGINEERING & TECHNOLOGY
CN104977040 A	Environment monitoring method and apparatus therefor	CENTER FOR INTEGRATED SMART SENSORS FOUNDATION
CN203672412U U	Wireless low-power-consumption intelligent environment monitoring system	TIANJIN NORMAL UNIVERSITY
CN103759766 A	Wireless low-power-consumption intelligent environment monitoring system	TIANJIN NORMAL UNIVERSITY
KR20160107479 A	Skin care system using skin condition sensing function and wireless communication function	GPOWER
KR200430806U Y1	Monitoring system for a living environment around a baby	SENPLUS, ...
CN105138052 A	Pig-keeping system capable of intelligently monitoring environments , and monitoring method thereof	GUILIN UNIVERSITY OF ELECTRONIC TECHNOLOGY
WO2016189477 A1	Apparatus for automatic management of a cultivation recipe for producing, using hydroponic technology, vegetables to be used for human food	FERRARI FARM SOCIETÀ AGRICOLA
US20090267759 A1	Method for controlling a wireless smart display panel	NATIONAL TAIWAN UNIVERSITY
US20060016700 A1	Transcutaneous analyte sensor	DEXCOM
TWM495517 U	Integrated environmental parameters measuring and analyzing system	GADGLE CREATIVE TECHNOLOGY
CN104090558 A	Method for monitoring environment of textile workshop	WUXI BEIDOUXINGTONG INFORMATION TECHNOLOGY
CN104122914 A	Spinning workshop environment monitoring system	WUXI BEIDOUXINGTONG INFORMATION TECHNOLOGY
CN205608561U U	Greenhouse environment automated control system	XIANGXIANG COLLEGE OF XIANGTAN UNIVERSITY

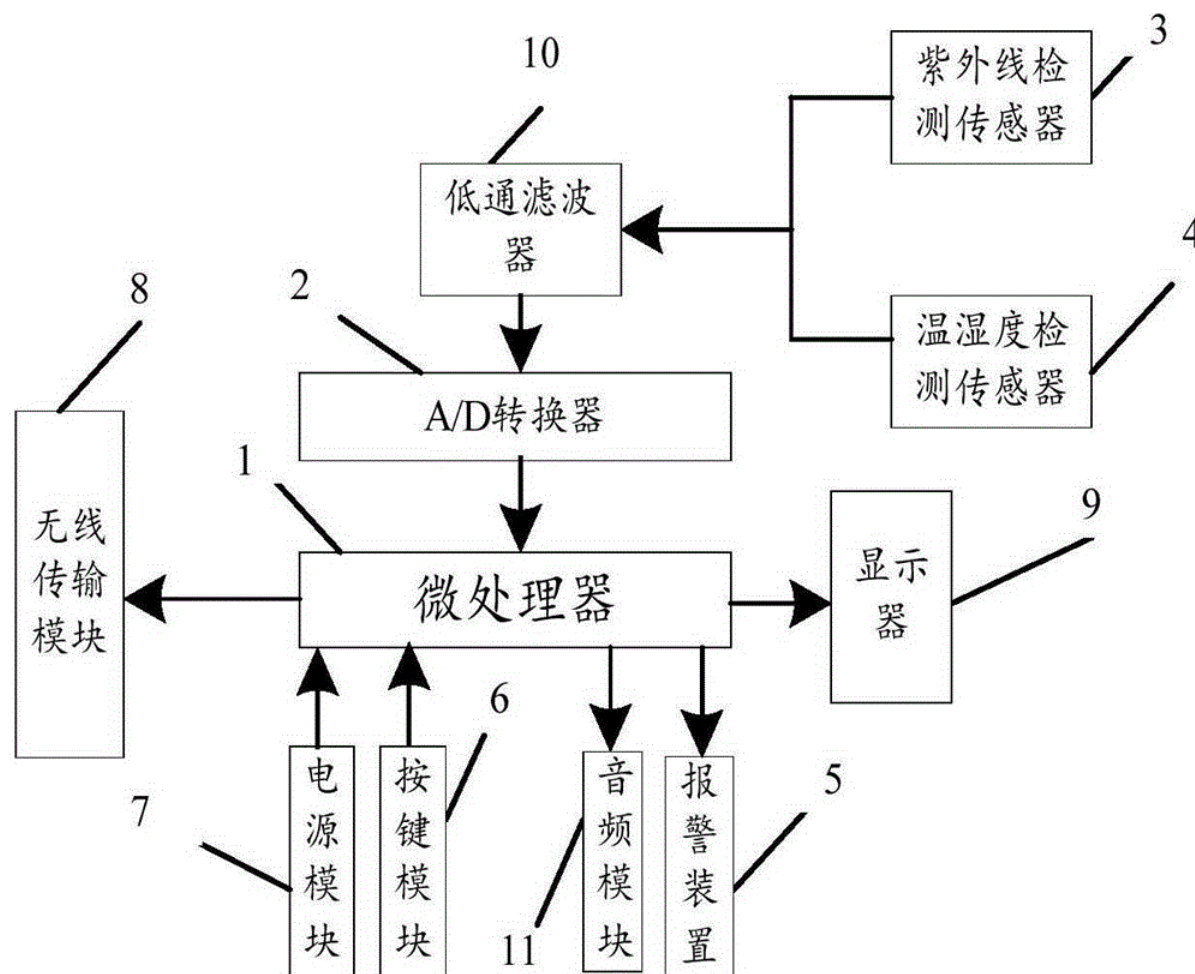
Publication numbers	Title	Current assignees
CN104920114 A	Dendrobe seedling environment contrast experiment system based on Internet of things	WEST ANHUI UNIVERSITY
CN106820496 A	Smart anti-lost umbrella	UNIVERSITY OF SHANGHAI FOR SCIENCE & TECHNOLOGY
EP1538464 A1	Weather sensing station and associated methods	EWING INDUSTRIES MACAO COMMERCIAL OFFSHORE
US20150292920 A1	Electronic device and method for providing environment information	SAMSUNG ELECTRONICS
CN105466492 A	Monitoring terminal of multi-applicability museum cultural relic preservation environments	CHINA ELECTRONICS TECHNOLOGY
CN204926058U U	Sensing guide display system	LI YONG
KR20160149565 A	Electrical noticeboard for posting air pollution level	PARK JEE YUNE
CN105780418 A	Clothes hanger device for ultraviolet sterilization in wardrobe	XI AN TEKTONG DIGITAL TECHNOLOGY
CN105824340 A	Agricultural seedling growing system	ANHUI RUANSHEN SOFTWARE DECLARATION SERVICE
CN206162838U U	Portable air quality detection alarm device	GUANGDONG ZHONGXIEHE DETECTION
CN202497498U U	Ultraviolet sterilizing and dehumidifying device for intelligent home	HUNAN UNIVERSITY
CN101934111 A	Music chromatic light physical factor physical and mental health system based on computer	Li Long
CN205052256U U	Edible mushroom cultivation uses intelligent cooling greenhouse	ZHUZHOU LIANGXIANHE MUSHROOM ECOLOGICAL TECHNOLOGY
WO200457307 A1	Enhanced scheduling sample processing system and methods of biological slide processing	DAKO DENMARK
CN106780068 A	Agricultural smart robot system based on WeChat public platform and method thereof	SUIHUA UNIVERSITY

Family 1/50 - FAMPAT - ©Questel

Title

(CN205333109U)

Wearable equipment based on ultraviolet ray temperature and humidity measurement

Images**Publication data including kind & date**

CN205333109

U

2016-06-22

CN205333109U

**Abstract**

(CN205333109U)

The utility model belongs to human skin detection field discloses a wearable equipment based on ultraviolet ray temperature and humidity measurement, including a wearable part wearable part internal integration has microprocessor, ultraviolet ray to detect sensor, temperature and humidity measurement sensor, AD converter and display, wherein, current environment ultraviolet ray parameter and humiture send parameters that ultraviolet ray detection sensor and temperature and humidity measurement sensor will be gathered give the AD converter, the AD converter turn into send behind the data signal for microprocessor, microprocessor will with the human body set for to the analysis of comparing of the reaction value of environment ultraviolet ray and humiture to judge the state rank that ultraviolet ray of current environment and humiture belonged to, and send the display with this state rank and show. The utility model provides a can't realize the problem of comprehensively monitoring environment ultraviolet ray and humiture situation in traditional portable health monitoring instrument.

Inventors

DENG YAN

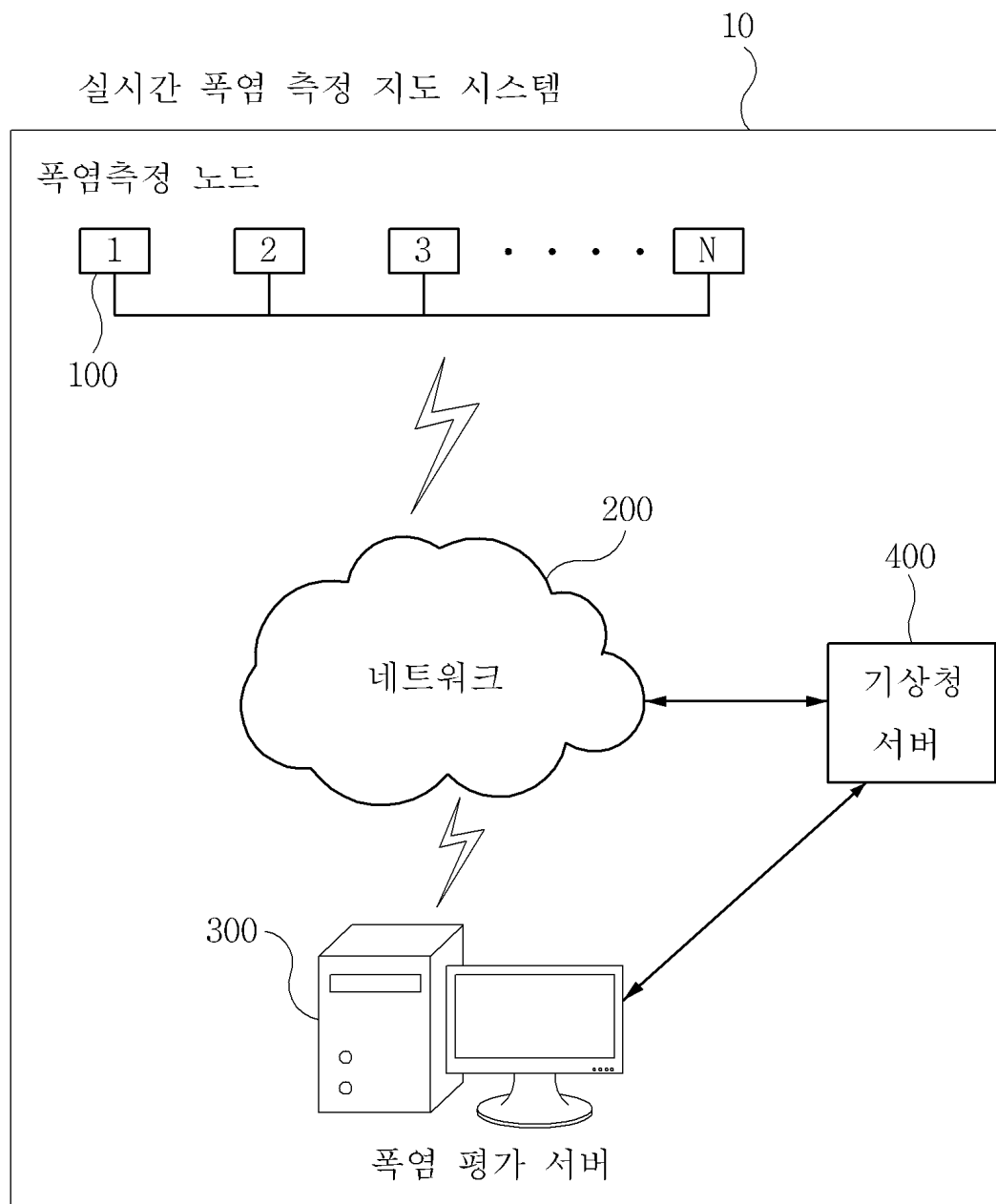
Latest standardized assignees - inventors removed

GUANGZHOU XINGLIN INTERNET TECHNOLOGY

Family 2/50 - FAMPAT - ©Questel

Title

(WO2015194698)

Real-time heat wave **measurement** map system and method of using same**Images**

- 10 ... Real-time heat wave measurement map system
100 ... Heat wave measurement nodes
200 ... Network
300 ... Heat wave evaluation server
400 ... Meteorological office server

Publication data including kind & date[WO2015194698](#)

A1 2015-12-23 WO2015194698

**Abstract**

(WO2015194698)

The present invention relates to a real-time heat wave **measurement** map system and a method of using the same. The present invention provides a personalised heat wave detection system based on real-time **measurements** of external

temperature, humidity or ultraviolet ray data, and can thereby allow a user to more easily obtain heat wave measurement information regarding climate change adaptations in other areas as well as the user's current location by applying the latest information and communication technology to a sensor, a wireless local area network and a smart device, predict a user's health condition through using the same, and facilitate more efficient national health management by providing information regarding groups vulnerable to a heat wave to civil services or government organisations.

Inventors

CHO JUNG KIL

CHA SUNG HOON

PARK YOUNG JUN

JEON SEONG WOO

Latest standardized assignees - inventors removed

E3

Family 3/50 - FAMPAT - ©Questel

Title

(EP1990080)

Air purifier

Images

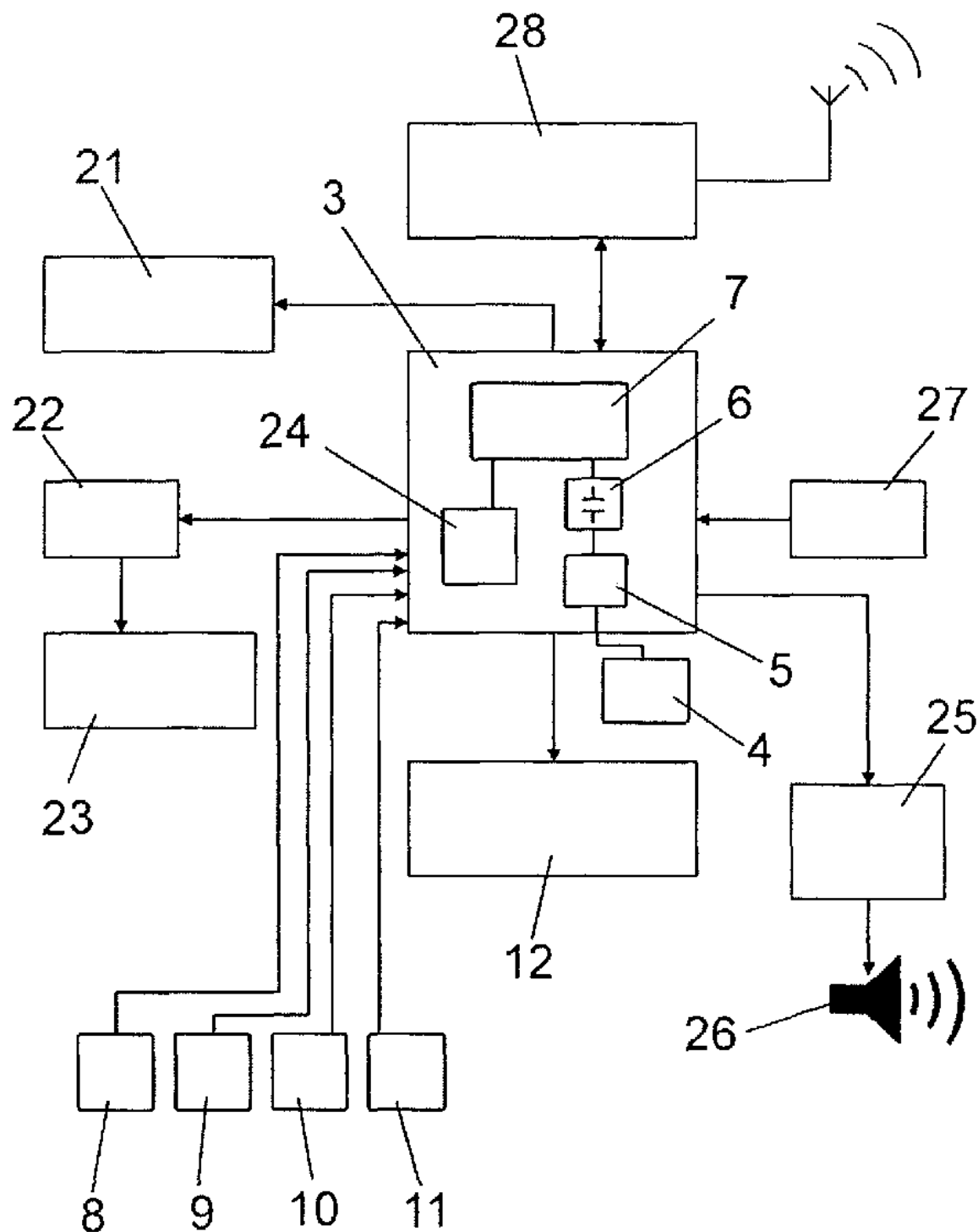


FIG. 1

Publication data including kind & date

ES1065496	U	2007-09-01	ES1065496U
ES1065496	Y	2007-12-01	ES1065496Y
EP1990080	A1	2008-11-12	EP1990080

**Abstract**

(EP1990080)

Air purifier, of the type which incorporate a casing wherethrough is forced to pass an air flow, characterised in that within said casing is established a control module, equipped with a microcontroller, whereto are associated a plurality of **sensors** as well as a programming **display**. Said control module incorporates an internal data storage memory and a programming software as well as of an **ultraviolet** led diode card beside which is established a photocatalytic substance which reacts with

the light emitted thereby, purifying the air which passes through the interior of the casing of the device. An infrared module is associated to the control module for control of the device through the complementary remote control. It includes a radio module for data transmission and control thereof through a central computer. An audio stage, where one or more loudspeakers are connected, is associated to said microcontrolle

Inventors

MARTIN VELAYOS JOSE LUIS

TAPIA DEL REY FELIX

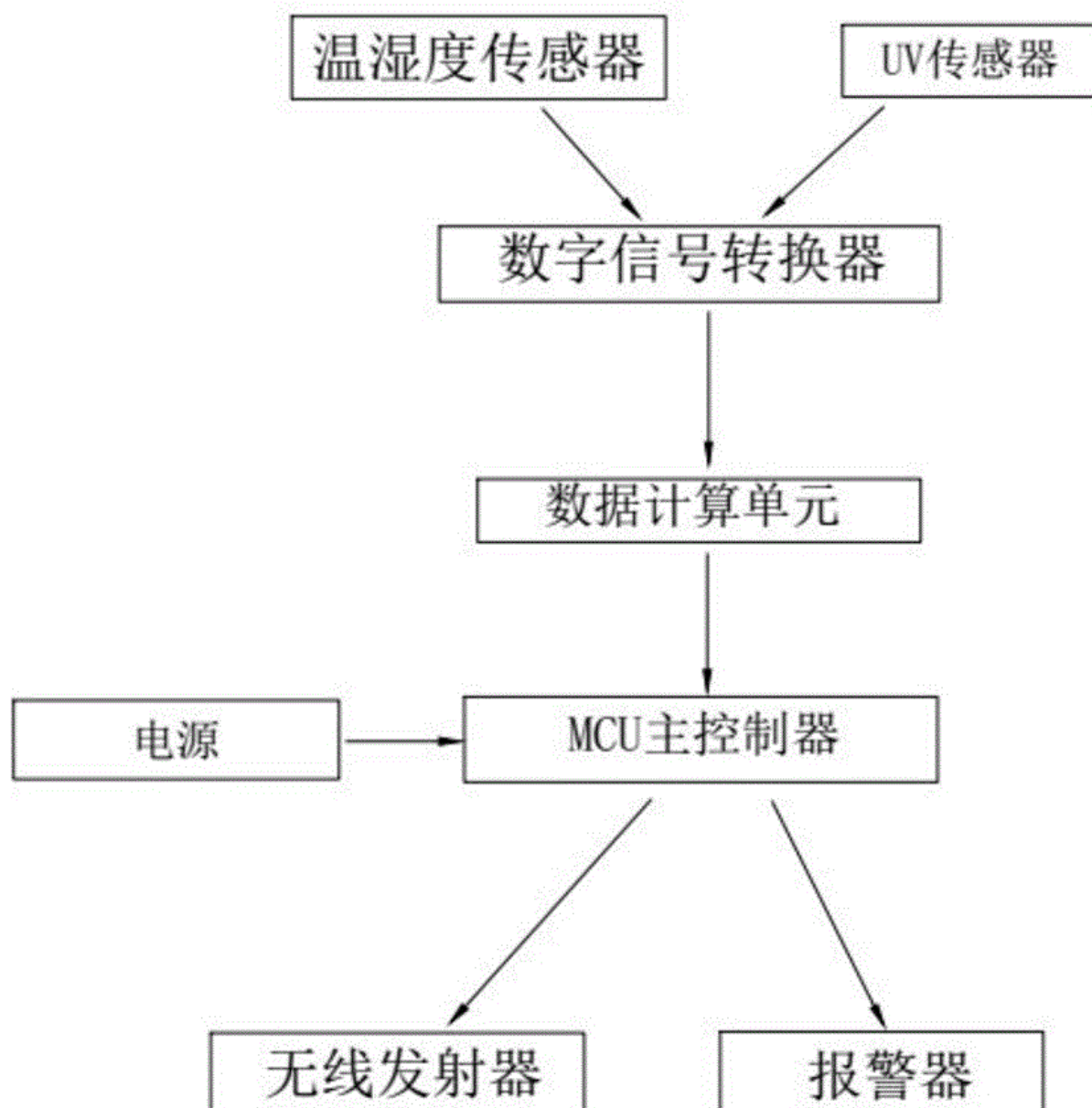
Latest standardized assignees - inventors removed

AMBITO DE INVESTIGACION TECNOLOGICA

Family 4/50 - FAMPAT - ©Questel

Title

(CN205373775U)

Portable humiture **ultraviolet** ray detector**Images**1
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Publication data including kind & date

CN205373775

U 2016-07-06 CN205373775U

**Abstract**

(CN205373775U)

The utility model provides a portable humiture **ultraviolet** ray detector, including MCU main control unit, **temperature** and **humidity sensor** and **UV sensor**, **temperature** and **humidity sensor** and **UV sensor** pass through sensing external **environment**'s humiture and **ultraviolet** intensity, send **environmental** signal to MCU main control unit, MCU main control unit contrasts the processing back to the data message and transmits each receiver for the distal end through **wireless** transmitter, the **UV sensor** includes photocathode, through utilizing **temperature** and **humidity sensor** and **UV sensor** to feed back in real time **environmental** information, and combination radio transmission technology in an organic whole, the user can in time know inside humiture in greenhouse and **ultraviolet** intensity's numerical value through cell -phone APP, and take the follow -up to **environmental** information, like control exhaust system, irrigation system or lighting system's operation, this portable humiture **ultraviolet** ray detector can carry out control in 24 hours to the **environment** in the greenhouse, and with low costs, the operation is simple and easy, convenient to carry, and the practicality is high, is fit for promoting on a large scale.

Inventors

XIE ZHENGJUN

Latest standardized assignees - inventors removed

SHENZHEN APEXTO TECHNOLOGY

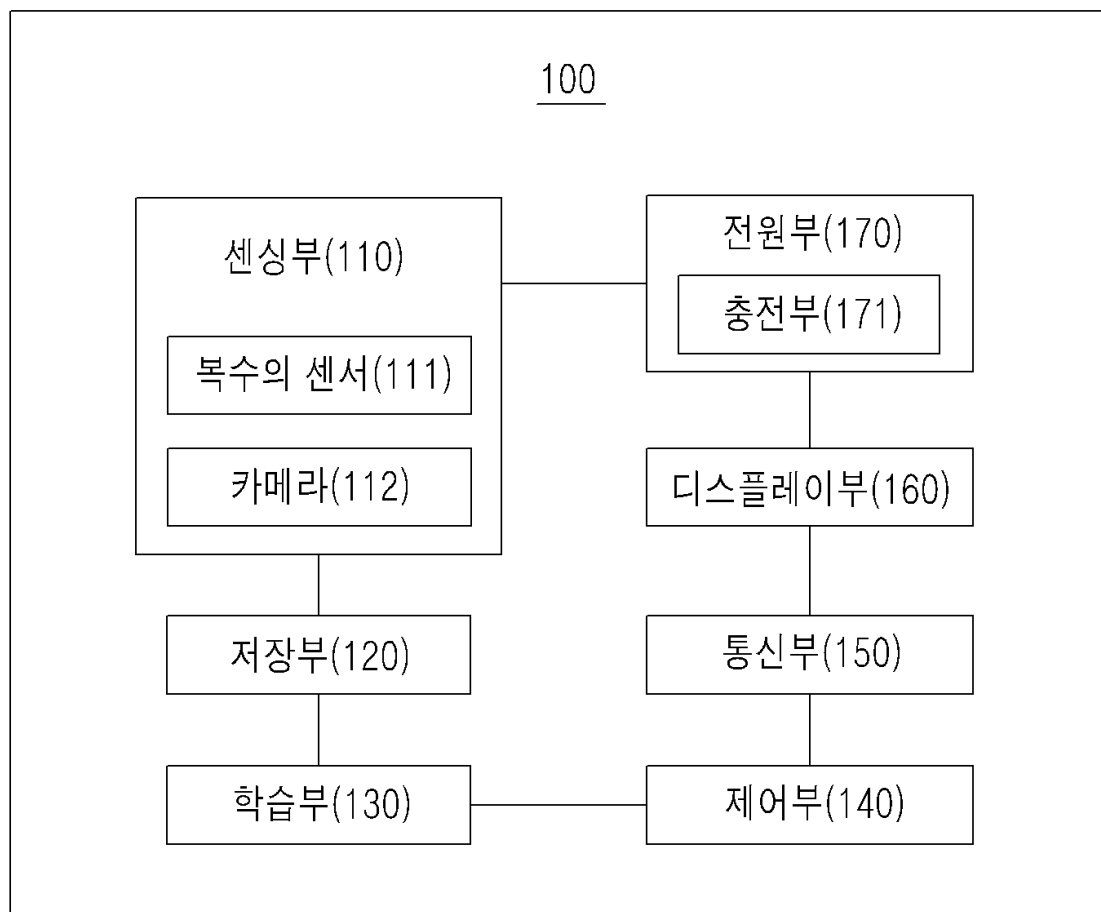
Family 5/50 - FAMPAT - ©Questel

Title

(KR101656953)

Method and System for Logging and Sensing Outdoor **Environments** and Method and System for Application Control for Alarm of Outdoor **Environments**

Images

**Publication data including kind & date**

[KR20160074830](#) A 2016-06-29 KR20160074830
[KR101656953](#) B1 2016-09-13 KR101656953

**Abstract**

(KR101656953)

Disclosed are a method and a system for logging and sensing an outdoor **environment** and a method and a system for driving an application for notifying an outdoor **environment**. According to the present invention, the system for logging and sensing an outdoor **environment** comprises: a sensing unit which comprises a plurality of **sensors** and senses an outdoor **environment**; a storage unit to log sensing information of the sensed outdoor **environment**; a learning unit to learn the sensing information logged in the storage unit; a **display** unit to show the sensing information and notification suitable for an outdoor activity of a user according to a learning result; a communication unit to transmit the sensing information to a server to share the sensing information with a plurality of smart devices via a **wireless** router; and a control unit to consider sensing frequencies of the **sensors** and frequencies at which the **sensors** communicate with the server to control the sensing unit to perform a low power operation. The sensing information transmitted to the server can be transmitted to a cloud to store and manage the sensing information.

Inventors

CHO HYUN TAE

Latest standardized assignees - inventors removed

CENTER INTEGRATED SMART **SENSORS** FOUNDATION

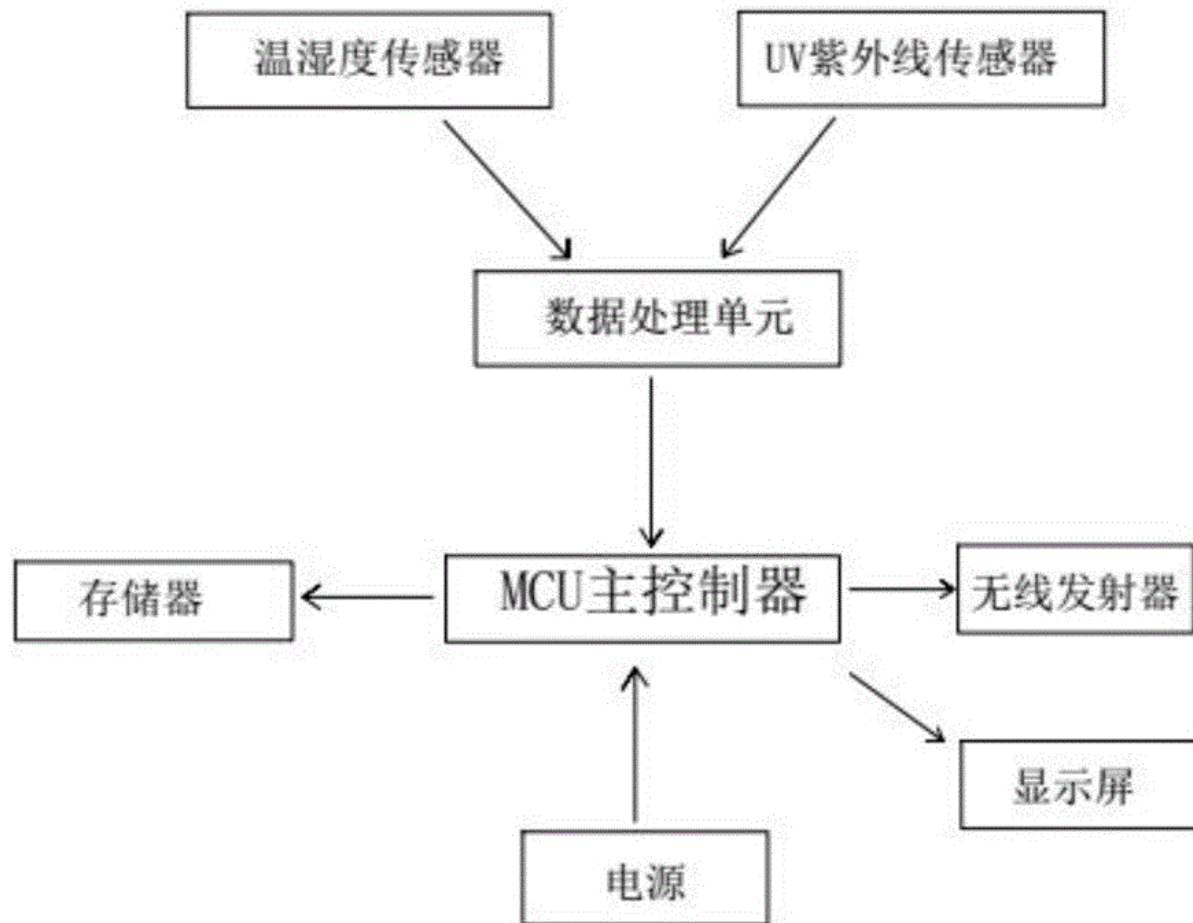
Family 6/50 - FAMPAT - ©Questel

Title

(CN205352475U)

Intelligence humidity **ultraviolet** ray test system

Images

1
~

Publication data including kind & date

CN205352475

U

2016-06-29

CN205352475U



Abstract

(CN205352475U)

The utility model provides an intelligence humiture **ultraviolet** ray test system, including power, MCU main control unit, **temperature** and **humidity sensor**, **UV UV sensors** and **wireless** transmitter, **temperature** and **humidity sensor** and **UV UV sensors** give MCU main control unit with the external **environment** information transfer who detects, and MCU main control unit sends **temperature** and **humidity sensor** 0 and gives **wireless** transmitter, and **wireless** transmitter sets up with the receiver and is connected and sends **environment temperature** and **humidity sensor** 3, and **temperature** and **humidity sensor** includes the **humidity** sensitive layer of conducting layer and perception **environment** humiture data, still include the memory, the memory is received the information that comes from MCU main control unit and is preserved, through combining **temperature** and **humidity sensor** and **UV UV sensors**, can in time gather the external **environment** data, and **wireless** transmitter sends **environment** numerical value for cell -phone APP, and the user goes on a journey according to the real time **environment** information of mastering and prepares or the pertinence makeup, and this design practicality is high, conveniently carries, and with low costs, the size is little, and incessant control in 24 hours can be realized to the low

power dissipation.

Inventors

XIE ZHENGJUN

Latest standardized assignees - inventors removed

SHENZHEN APEXTO TECHNOLOGY

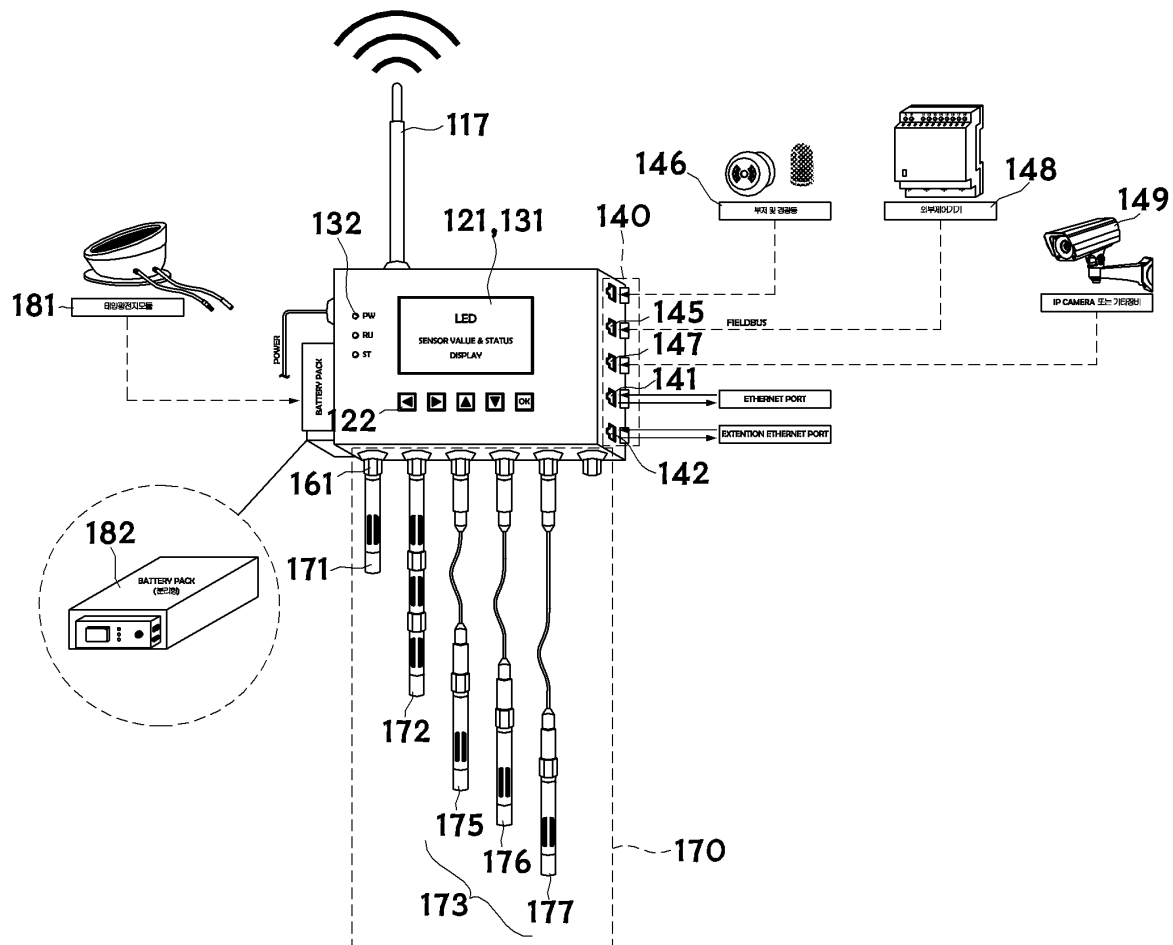
Family 7/50 - FAMPAT - ©Questel

Title

(KR101709897)

Complex **environmental sensor** transmitter

Images



Publication data including kind & date

[KR101709897](#)

B1 2017-02-23

KR101709897



Abstract

(KR101709897)

The present invention relates to a complex **environmental sensor** transmitter capable of enabling complex **environment measurement** and management in various **environments**. The complex **environmental sensor** transmitter comprises: a **wireless** communications unit communicated with an external device; an input device receiving a control command of a user; a **display** device **displaying** a current condition; an interface device providing connection with the external device; a system bus connecting the **wireless** communications unit, the input device, the **display** device and the interface device; a **sensor** bus control unit connected with the system bus; and a **sensor** probe group consisting of **sensor** probes connected in wired and **wireless** manners through a **sensor** node on the **sensor** bus control unit.

Inventors

PARK WOO SUN

Family 8/50 - FAMPAT - ©Questel

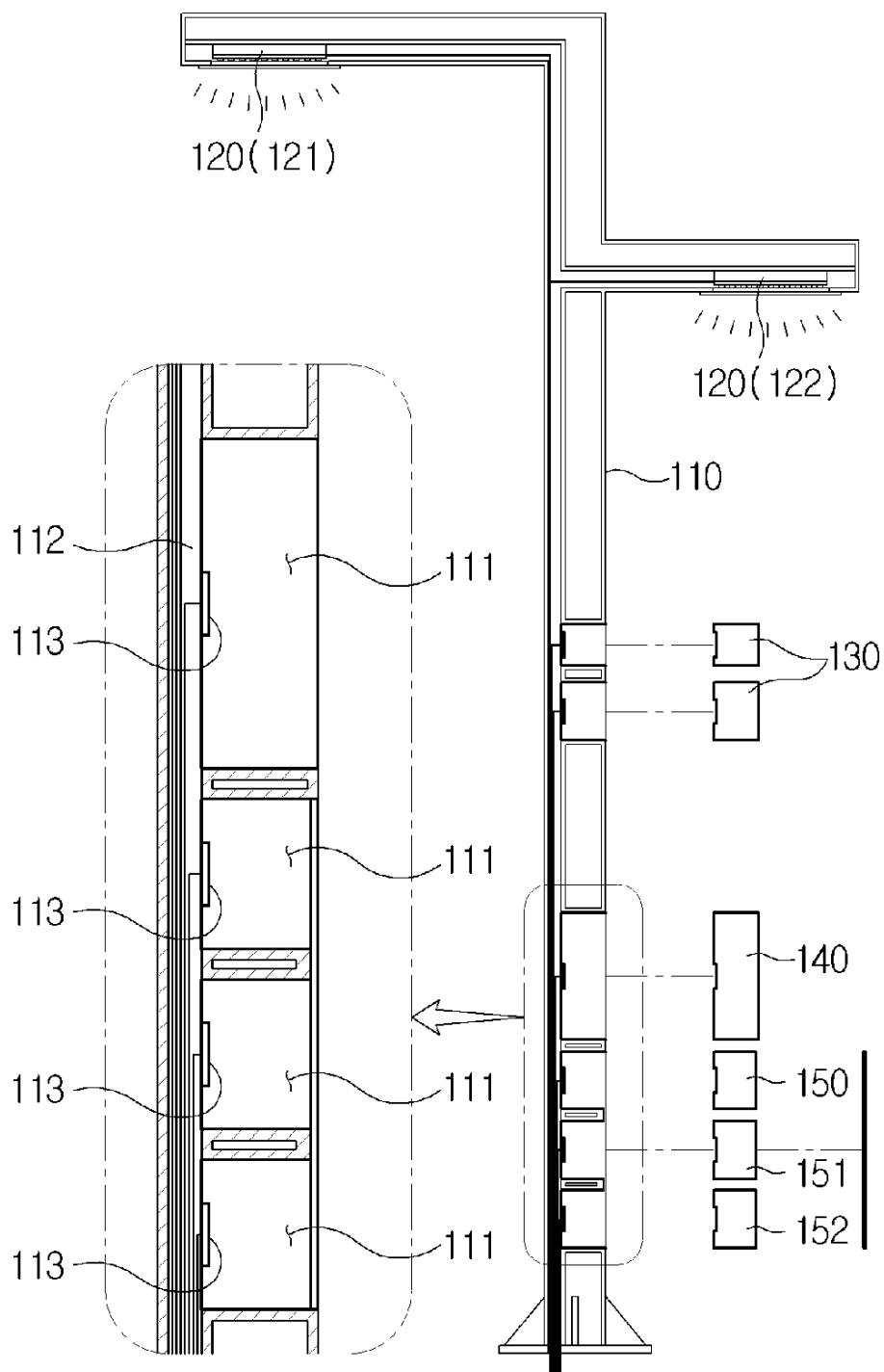
Title

(WO201146410)

Intelligent streetlamp system

Images

[Fig. 2]

100**Publication data including kind & date**

WO2011046410	A2	2011-04-21	WO201146410
KR20110041886	A	2011-04-22	KR20110041886
WO2011046410	A3	2011-09-09	WO201146410



KR101653739

B1 2016-09-02 KR101653739

Abstract

(WO201146410)

The present invention relates to an intelligent streetlamp system and comprises: a streetlamp pillar having a function of a pillar in a streetlamp; a lighting unit including at least one of a vehicle lighting portion and a pedestrian lighting portion using LEDs as a light source which is installed at an upper end of the streetlamp pillar; an LED marker **display** unit provided on the streetlamp pillar to **display** surrounding **environment** information including weather, **temperature**, and **humidity** around a streetlamp as an expression of one kind or a combined expression of two or more kinds of characters, numbers, and icons; a touch **screen** which is provided on the streetlamp pillar and enables a user to directly search desired information or to receive the searched result; and a streetlamp unit controller which includes a communication portion for carrying out data communication with an external management server through a wire network or a **wireless** network, controls on/off operations of the lighting unit according to a predetermined driving condition of the streetlamp, and controls operations of the LED marker **display** unit, the touch **screen**, and the communication unit. The streetlamp pillar is characterized in that an installation area of each of the LED marker **display** unit, the touch **screen**, and the streetlamp unit controller is formed with a shape of a rack and a connective wiring path of the lighting unit, the LED marker **display** unit, the touch **screen**, and the streetlamp unit controller is formed in a rear end of the rack.

Inventors

KIM EOK

CHO SUNG O

Latest standardized assignees - inventors removed

HONGIK UNIVERSITY INDUSTRY ACADEMIA COOPERATION

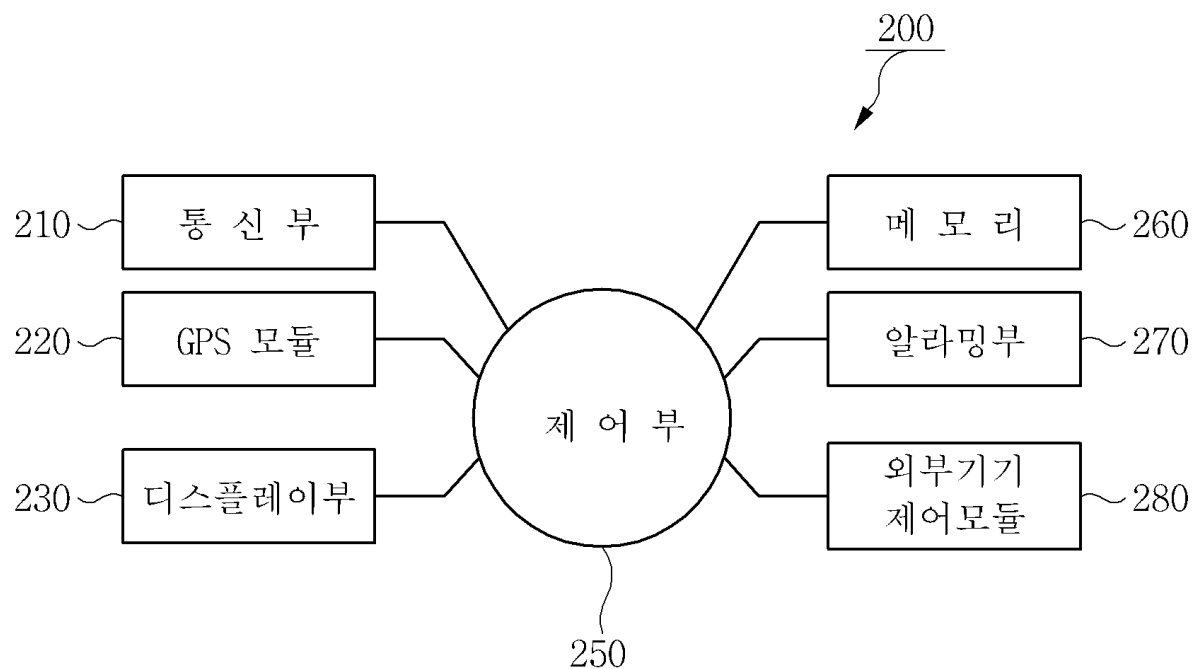
Family 9/50 - FAMPAT - ©Questel

Title

(WO201769342)

Infant and toddler protecting service system

Images



210 ... Communication unit

220 ... GPS module

230 ... Display unit

250 ... Control unit

260 ... Memory

270 ... Alarming unit

280 ... External device control module

Publication data including kind & date

KR20170045606	A	2017-04-27	KR20170045606
WO2017069342	A1	2017-04-27	WO201769342
KR101818482	B1	2018-02-21	KR101818482

**Abstract**

(WO201769342)

The purpose of an infant and toddler protecting service system according to the present invention is to protect infants and toddlers from harmful **environments** and weather conditions, the system comprising: a wearable device for periodically detecting the **temperature**, **humidity**, and air pollution around an infant and a toddler; a service server for periodically collecting weather information; a first protector terminal receiving the detection information of the wearable device and the weather information of the service server so as to analyze whether there is a value exceeding a standard value, and providing the detection information of the wearable device to a second protector terminal; and the second protector terminal receiving the detection information, provided by the first protector terminal, and the weather information of the service server so as to analyze whether there is a value exceeding a standard value.

Inventors

CHO HEUN WOO
 JEON SEONG WOO
 CHA SUNG HOON
 PARK YOUNG JUN

Latest standardized assignees - inventors removed

E3

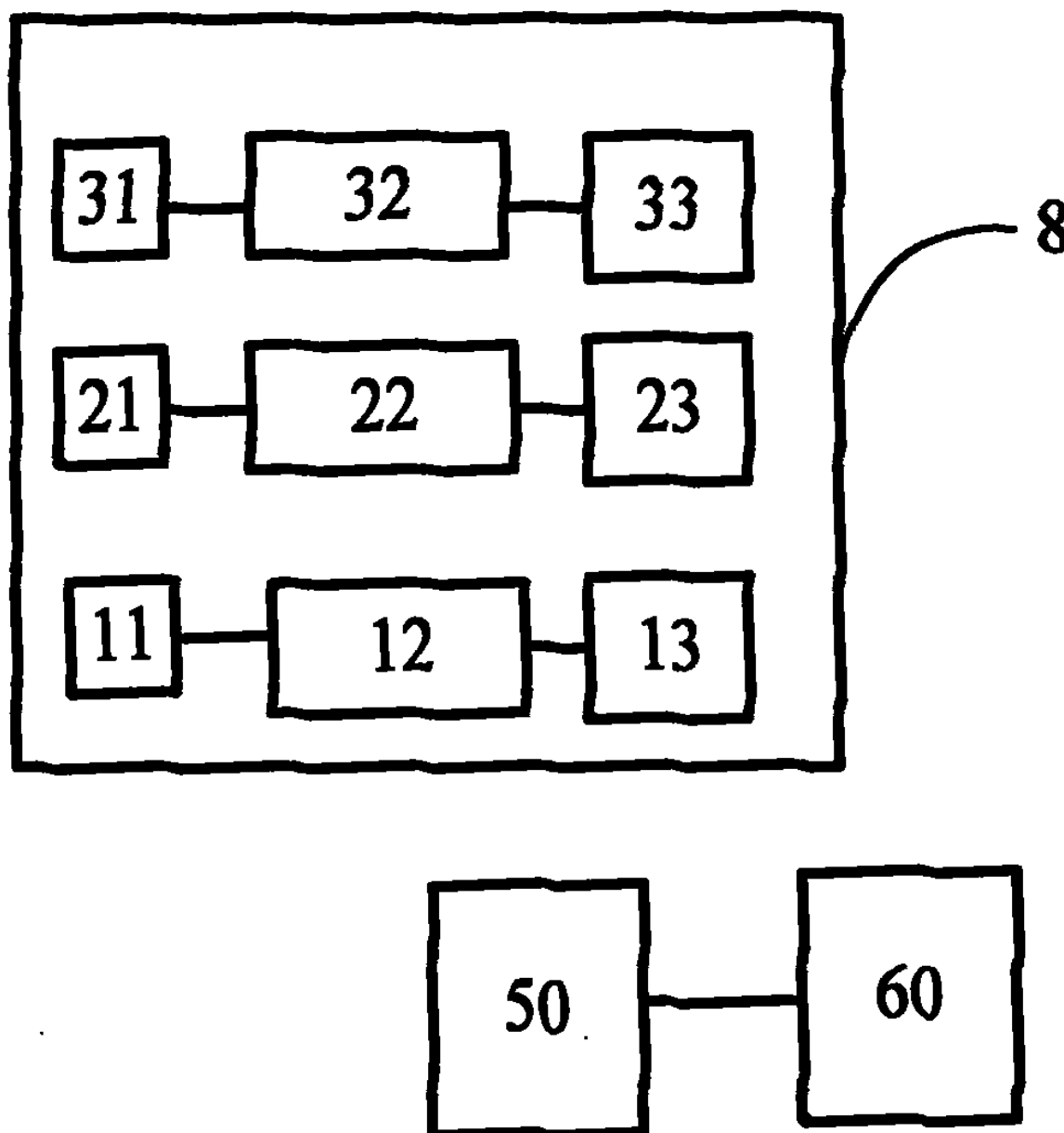
Family 10/50 - FAMPAT - ©Questel

Title

(CN201804429U)

Showcase **environment** monitoring system based on **wireless sensor** network

Images



Publication data including kind & date

CN201804429

U

2011-04-20

CN201804429U



Abstract

(CN201804429U)

A showcase **environment** monitoring system based on a **wireless sensor** network comprises a monitoring system for monitoring such **environmental** indexes as **temperature**, **humidity**, light intensity and the like, a **wireless** receiving module and a server, wherein the **environmental** index monitoring system is composed of a plurality of **sensors**, a signal processor and a **wireless** signal emitter and arranged in a showcase; the signal processor converts information of the **sensors** into numerical information and sends the numerical information to a **wireless** signal receiver; and the **wireless** receiving module sends the received signal to the server for processing, analysis and storage. The utility model can perform real-time all-directional monitoring on the **environmental** parameters such as **environmental temperature**, relative **humidity**, **ultraviolet** radiation intensity, airborne dust level, carbon dioxide concentration and the like in the cultural relic showcases, so as to better protect cultural relics, thereby having significance in improving the conservation **environment** during cultural relic exhibition.

Inventors

HU XI

HE BING

Latest standardized assignees - inventors removed

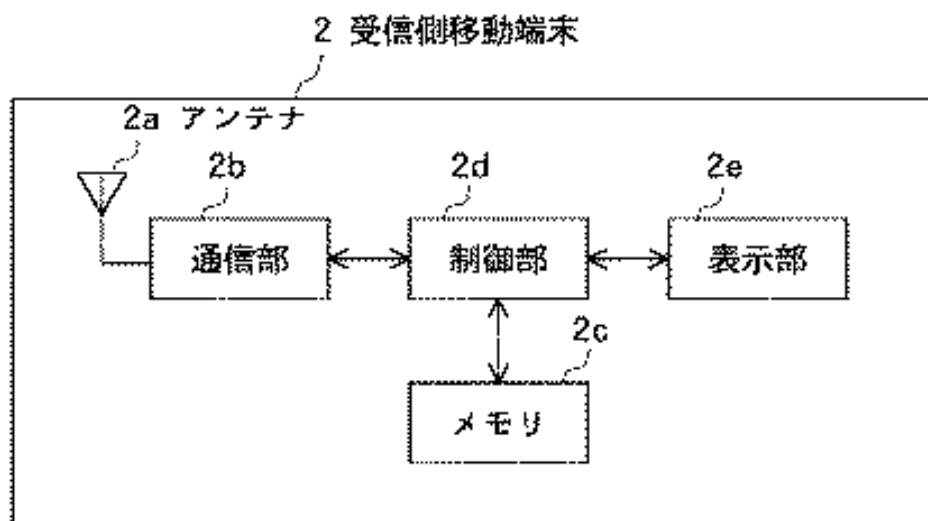
SHANGHAI FULLLIFE INFORMATION TECHNOLOGY

Family 11/50 - FAMPAT - ©Questel

Title

(GB2422988)

Communication terminal, communication system, and communication method

Images**Publication data including kind & date**

GB0601935	D0	2006-03-15	GB200601935
GB2422988	A	2006-08-09	GB2422988
KR20060090179	A	2006-08-10	KR20060090179
CN1818708	A	2006-08-16	CN1818708
JP2006217498	A	2006-08-17	JP2006217498
KR100768977	B1	2007-10-22	KR100768977
GB2422988	B	2008-04-09	GB2422988

**Abstract**

(GB2422988)

A portable communication terminal includes a transmission and reception section 34; a position detecting section 30 which detects a position of a communication terminal; an **environmental** information detecting section 32 which detects **environmental** information in the position; and a control section 44 which creates map information including the received positional information and **environmental** information. The **environmental** information may comprise **temperature**, weather **humidity**, atmospheric pressure, sound, images etc derived from in-built or external **sensors**, or from a base station. The data may be transmitted to a server for access by other terminals or transmitted directly to other terminals. The map **display** may also show the position of other terminals.

Inventors

NAKATA ATSUSHI

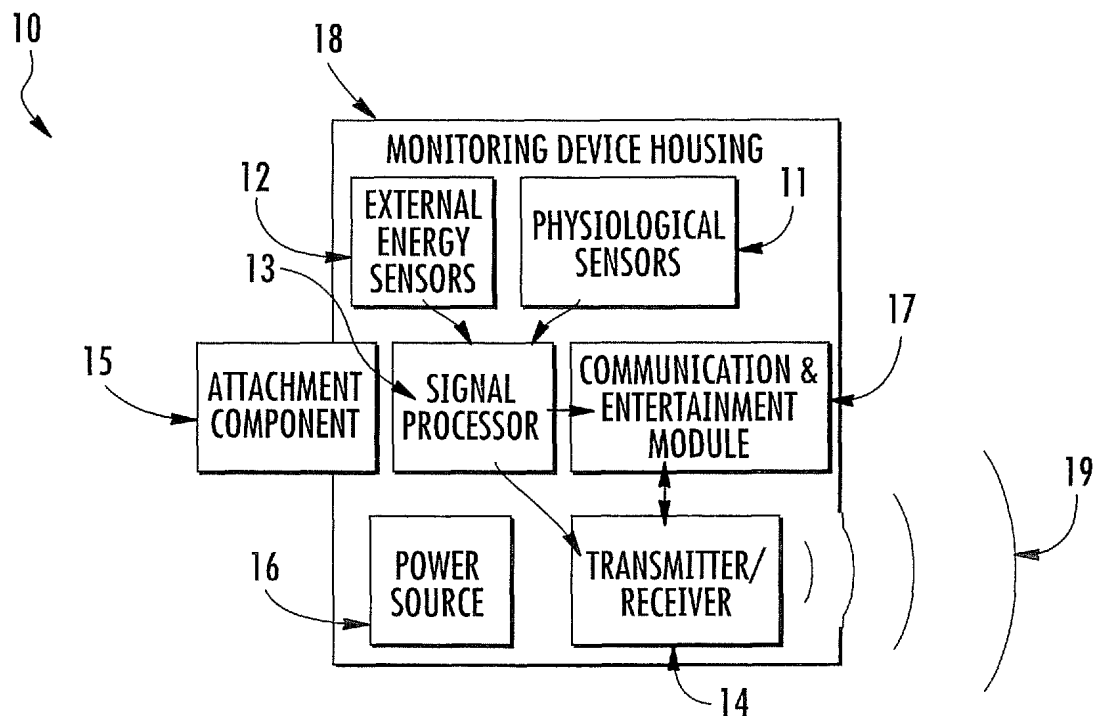
Latest standardized assignees - inventors removed

NEC

Family 12/50 - FAMPAT - ©Questel

Title

(EP3081155)

Telemetric apparatus for health and **environmental** monitoring**Images****Publication data including kind & date**

US20080146892	A1	2008-06-19	US20080146892
US20080146890	A1	2008-06-19	US20080146890
WO2008088511	A1	2008-07-24	WO200888511
EP2094152	A1	2009-09-02	EP2094152
US20110098112	A1	2011-04-28	US20110098112
US20110106627	A1	2011-05-05	US20110106627
US8157730	B2	2012-04-17	US8157730
EP2094152	A4	2012-05-30	EP2094152
US8204786	B2	2012-06-19	US8204786
US20120197737	A1	2012-08-02	US20120197737
US20120203081	A1	2012-08-09	US20120203081
US20120226112	A1	2012-09-06	US20120226112
US20120226111	A1	2012-09-06	US20120226111
US8652040	B2	2014-02-18	US8652040
US20140051948	A1	2014-02-20	US20140051948
US20140058220	A1	2014-02-27	US20140058220
US20140094663	A1	2014-04-03	US20140094663
US8702607	B2	2014-04-22	US8702607
US20140235967	A1	2014-08-21	US20140235967
US20140235968	A1	2014-08-21	US20140235968
US20140243617	A1	2014-08-28	US20140243617



US20140275855	A1	2014-09-18	US20140275855				
US20140288396	A1	2014-09-25	US20140288396				
US20140287833	A1	2014-09-25	US20140287833				
US20140323829	A1	2014-10-30	US20140323829				
EP2862504	A2	2015-04-22	EP2862504				
US20150126825	A1	2015-05-07	US20150126825				
US20150141772	A1	2015-05-21	US20150141772				
US20150138556	A1	2015-05-21	US20150138556				
US20150150469	A1	2015-06-04	US20150150469				
EP2862504	A3	2015-06-24	EP2862504				
US20150366471	A1	2015-12-24	US20150366471				
HK1207811	A1	2016-02-12	HK1207811				
EP2094152	B1	2016-04-13	EP2094152				
EP2862504	B1	2016-06-01	EP2862504				
EP3081155	A1	2016-10-19	EP3081155				
US20160317049	A1	2016-11-03	US20160317049				
US20180184916	A1	2018-07-05	US20180184916				
US20180220903	A1	2018-08-09	US20180220903				
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US20180220902	A1	2018-08-09	US20180220902				
US20180228381	A1	2018-08-16	US20180228381				
US20180242859	A1	2018-08-30	US20180242859				
US20180242860	A1	2018-08-30	US20180242860				

Abstract

(EP3081155)

Wearable apparatus for monitoring various physiological and **environmental** factors are provided. Real-time, noninvasive health and **environmental** monitors include a plurality of compact **sensors** integrated within small, low-profile devices, such as earpiece modules. Physiological and **environmental** data is collected and wirelessly transmitted into a **wireless** network, where the data is stored and/or processed.

Inventors

LEBOEUF STEVEN FRANCIS

TUCKER JESSE BERKLEY

AUMER MICHAEL EDWARD

Latest standardized assignees - inventors removed

VALENCELL

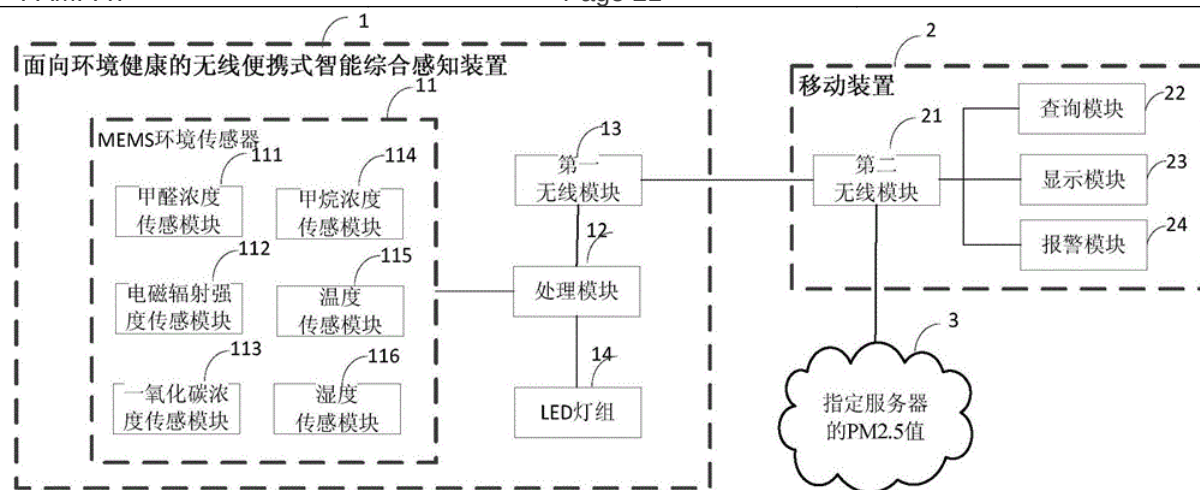
Family 13/50 - FAMPAT - ©Questel

Title

(CN104008626)

Environment-oriented portable and healthy intelligent **wireless** synthetic perception device and system

Images



Publication data including kind & date

CN104008626	A	2014-08-27	CN104008626
CN104008626	B	2017-05-03	CN104008626B



Abstract

(CN104008626B)

The invention discloses an **environment-oriented** portable and healthy intelligent **wireless** synthetic perception device. The device comprises a MEMS **environment sensor**, a processing module, a first **wireless** module and an LED lamp bank, wherein the MEMS **environment sensor** is used for sensing parameters of multiple pollutants harmful to health of human bodies such as electromagnetic radiation, formaldehyde and methane in the **environment**; the processing module is used for comparing various parameters collected by the MEMS **environment sensor** with a preset security value and transmitting alarm information if the detected parameters exceed the preset security value; the first **wireless** module is used for information interaction; the LED lamp bank is used for giving a lamplight **display** alarm after obtaining the alarm information transmitted by the processing module. The invention further discloses an intelligent synthetic perception system. The intelligent synthetic perception system comprises the perception device and a mobile terminal. The mobile terminal actively queries and passively receives the information sent by the perception device in a **wireless** mode and gives an alarm on overrun items. Through the technical scheme, parallel real-time acquisition of multiple **environmental** parameters and portability of the perception device are achieved, and the health of the human bodies can be protected synthetically and intelligently anytime and anywhere.

Inventors

JIN MIN

CAO ZHILI

Latest standardized assignees - inventors removed

HUNAN UNIVERSITY

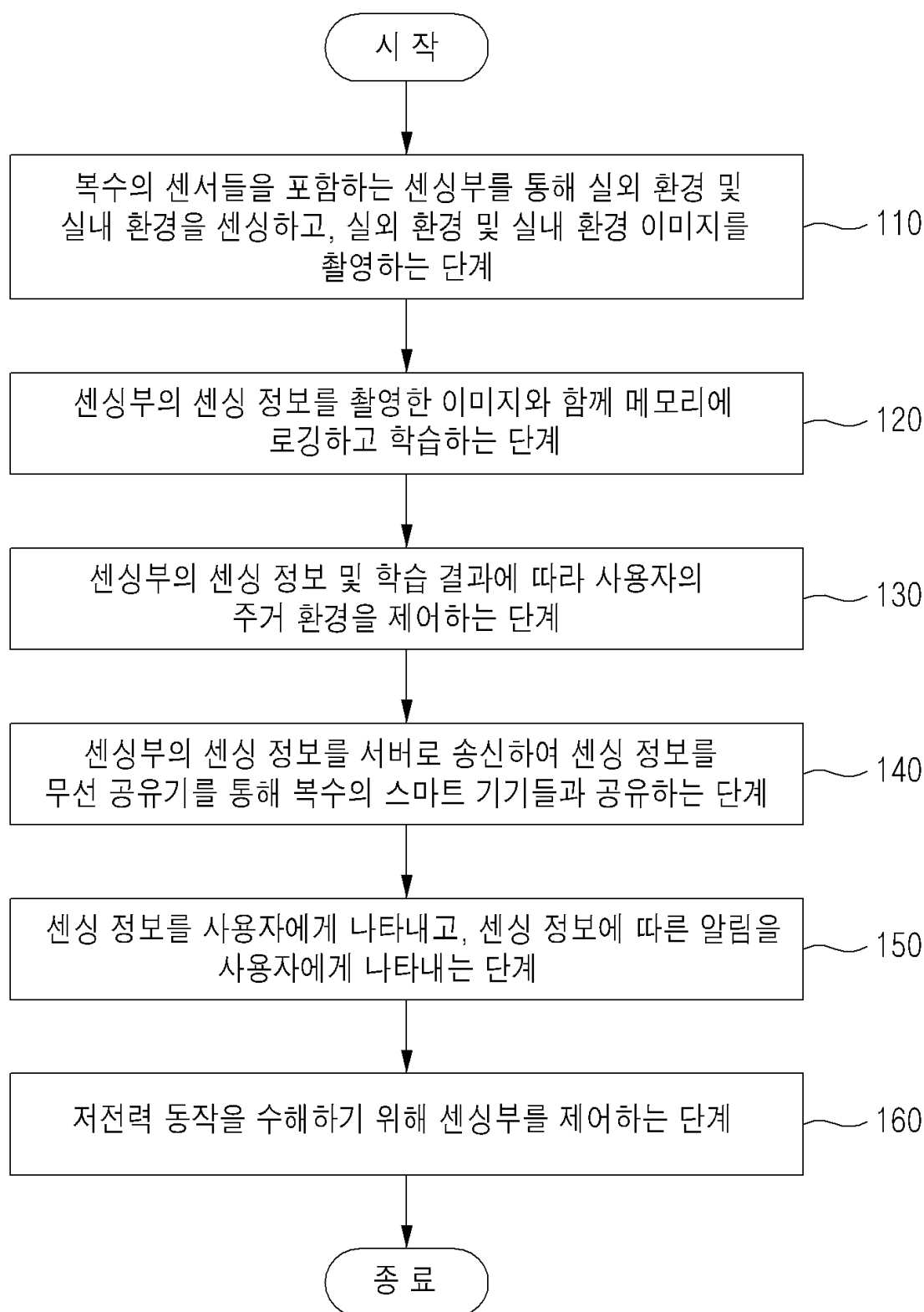
Family 14/50 - FAMPAT - ©Questel

Title

(KR101613363)

Method and Apparatus for Logging of Sensing Data in Living **Environments**

Images



Publication data including kind & date

[KR20160028006](#) A 2016-03-11 KR20160028006
[KR101613363](#) B1 2016-05-03 KR101613363



Abstract

(KR101613363)

Provided are a method of logging sensing data in housing **environments** and an apparatus thereof. The method of logging sensing data in housing **environments** provided by the present invention comprises: a step of sensing indoor and outdoor **environments** through a sensing unit equipped with multiple **sensors** and photographing indoor and outdoor **environment** images; a step of logging the sensing information sensed by the sensing unit with the photographed images in a memory

and learning the same; a step of controlling housing **environments** of a user depending on the sensing information sensed by the sensing unit and learning results; a step of transmitting the sensing information sensed by the sensing unit to a server to share the sensing information with multiple smart devices through a **wireless** router; a step of **displaying** the sensing information and notifications regarding the sensing information to a user.

Inventors

CHO HYUN TAE

KYUNG CHONG MIN

Latest standardized assignees - inventors removed

CENTER INTEGRATED SMART **SENSORS** FOUNDATION

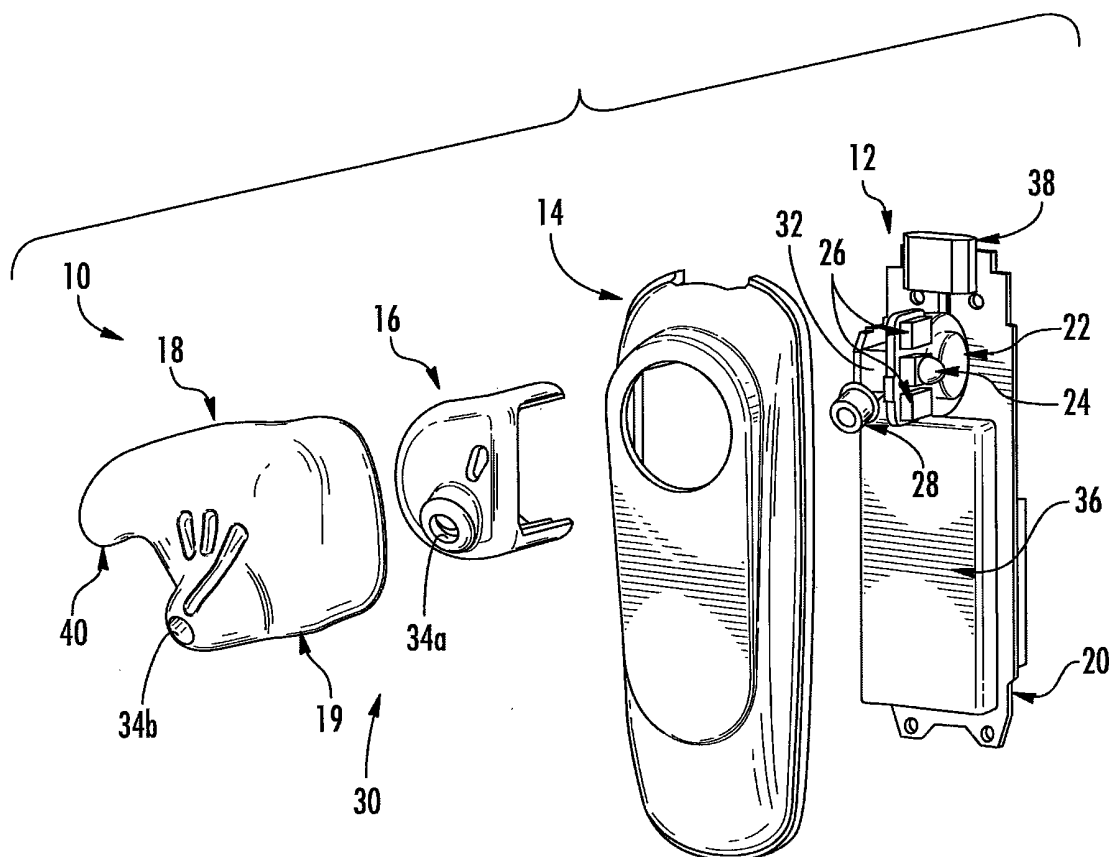
Family 15/50 - FAMPAT - ©Questel

Title

(EP3357419)

Light-guiding devices and monitoring devices incorporating same

Images



Publication data including kind & date

US20100217100	A1	2010-08-26	US20100217100
US20100217099	A1	2010-08-26	US20100217099
US20100217098	A1	2010-08-26	US20100217098
US20100217102	A1	2010-08-26	US20100217102
WO2010099190	A2	2010-09-02	WO201099190
WO2010099066	A2	2010-09-02	WO201099066
WO2010098915	A1	2010-09-02	WO201098915
WO2010098912	A2	2010-09-02	WO201098912
WO2010099066	A3	2010-11-18	WO201099066
WO2010098912	A3	2010-11-18	WO201098912
WO2010099190	A3	2011-01-06	WO201099190



EP2400884	A2	2012-01-04	EP2400884				
EP2405805	A2	2012-01-18	EP2405805				
JP2012518515	A	2012-08-16	JP2012518515				
US20130131519	A1	2013-05-23	US20130131519				
US8647270	B2	2014-02-11	US8647270				
US8700111	B2	2014-04-15	US8700111				
US20140135596	A1	2014-05-15	US20140135596				
US20140140567	A1	2014-05-22	US20140140567				
US20140171762	A1	2014-06-19	US20140171762				
US20140171755	A1	2014-06-19	US20140171755				
WO2014092932	A1	2014-06-19	WO201492932				
US20140180039	A1	2014-06-26	US20140180039				
US8788002	B2	2014-07-22	US8788002				
US20140243620	A1	2014-08-28	US20140243620				
US20140249381	A1	2014-09-04	US20140249381				
US20140288394	A1	2014-09-25	US20140288394				
US20140288395	A1	2014-09-25	US20140288395				
EP2400884	A4	2014-10-01	EP2400884				
EP2405805	A4	2014-10-15	EP2405805				
US20140323830	A1	2014-10-30	US20140323830				
US8886269	B2	2014-11-11	US8886269				
US8923941	B2	2014-12-30	US8923941				
US8929966	B2	2015-01-06	US8929966				
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US8934952	B2	2015-01-13	US8934952				
US8942776	B2	2015-01-27	US8942776				
US20150032009	A1	2015-01-29	US20150032009				
US8961415	B2	2015-02-24	US8961415				
US20150073236	A1	2015-03-12	US20150073236				
US20150080741	A1	2015-03-19	US20150080741				
US8989830	B2	2015-03-24	US8989830				
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US20150119657	A1	2015-04-30	US20150119657				
US20150126824	A1	2015-05-07	US20150126824				
US20150131837	A1	2015-05-14	US20150131837				
US20150157222	A1	2015-06-11	US20150157222				
US9131312	B2	2015-09-08	US9131312				
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US20150289818	A1	2015-10-15	US20150289818				
EP2932729	A1	2015-10-21	EP2932729				
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US20150342467	A1	2015-12-03	US20150342467				
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US9301696	B2	2016-04-05	US9301696				

HK1210351	A1	2016-04-15	HK1210351				
US9314167	B2	2016-04-19	US9314167				
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EP2932729	B1	2016-09-21	EP2932729				
EP3128761	A1	2017-02-08	EP3128761				
EP3127476	A1	2017-02-08	EP3127476				
JP6126651	B2	2017-05-10	JP6126651				
JP6153573	B2	2017-06-28	JP6153573				
US20170188851	A1	2017-07-06	US20170188851				
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JP2017159052	A	2017-09-14	JP2017159052				
HK1232106	A1	2018-01-05	HK1232106				
EP2400884	B1	2018-03-07	EP2400884				
JP6309668	B2	2018-04-11	JP6309668				
US9955919	B2	2018-05-01	US9955919				
JP2018108467	A	2018-07-12	JP2018108467				
US20180192950	A1	2018-07-12	US20180192950				
EP3357419	A1	2018-08-08	EP3357419				
US20180228435	A1	2018-08-16	US20180228435				
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US20180296165	A1	2018-10-18	US20180296165				
US20180303430	A1	2018-10-25	US20180303430				
US20190000396	A1	2019-01-03	US20190000396				
US20190008460	A1	2019-01-10	US20190008460				

Abstract

(EP3357419)

A monitoring device configured to be attached to the ear of a person includes a base, an earbud housing extending outwardly from the base that is configured to be positioned within an ear of a subject, and a cover surrounding the earbud housing. The base includes a speaker, an optical emitter, and an optical detector. The cover includes light transmissive material that is in optical communication with the optical emitter and the optical detector and serves as a light guide to deliver light from the optical emitter into the ear canal of the subject wearing the device at one or more predetermined locations and to collect light external to the earbud housing and deliver the collected light to the optical detector.

Inventors

LEBOEUF STEVEN FRANCIS

TUCKER JESSE BERKLEY

AUMER MICHAEL EDWARD

Latest standardized assignees - inventors removed

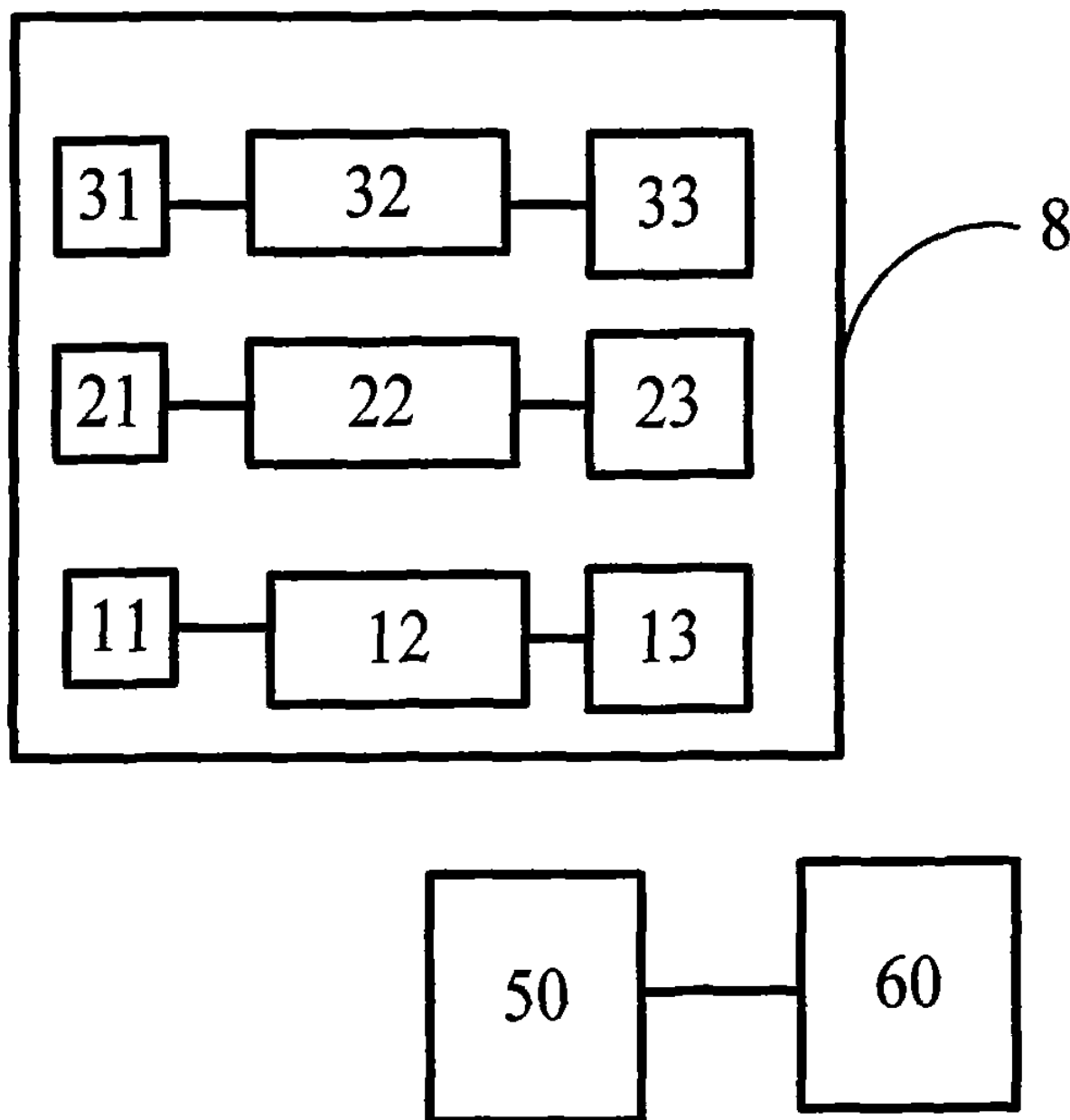
VALENCELL

Family 16/50 - FAMPAT - ©Questel

Title

(CN102314754)

Wireless sensor network based showcase **environment** monitoring system**Images**

**Publication data including kind & date**

CN102314754

A

2012-01-11

CN102314754

**Abstract**

(CN102314754)

The invention relates to a **wireless sensor** network based showcase **environment** monitoring system, which is characterized by comprising a monitoring system of **environment** indexes such as **temperature**, **humidity**, sunshine and the like consisting of a plurality of **sensors**, a signal processor and a **wireless** signal transmitter, which are arranged inside a showcase, a **wireless** receiving module and a server; the signal processor converts the information of the **sensors** to digital information to be transmitted to the **wireless** signal receiver through the **wireless** transmitter, and the **wireless** receiving module transmits the received signal to the server to be processed, analyzed and stored. Due to the adoption of the system, the **environmental** parameters such as ambient **temperature**, relative **humidity**, **ultraviolet** radiation strength, air dust, density of carbon dioxide and the like inside a cultural relic showcase can be instantly monitored in different directions, so the cultural relic can be better protected, and an important significance on improving the storage **environment** during the exhibition process of the cultural relic can be realized.

Inventors

HU XI

HE BING

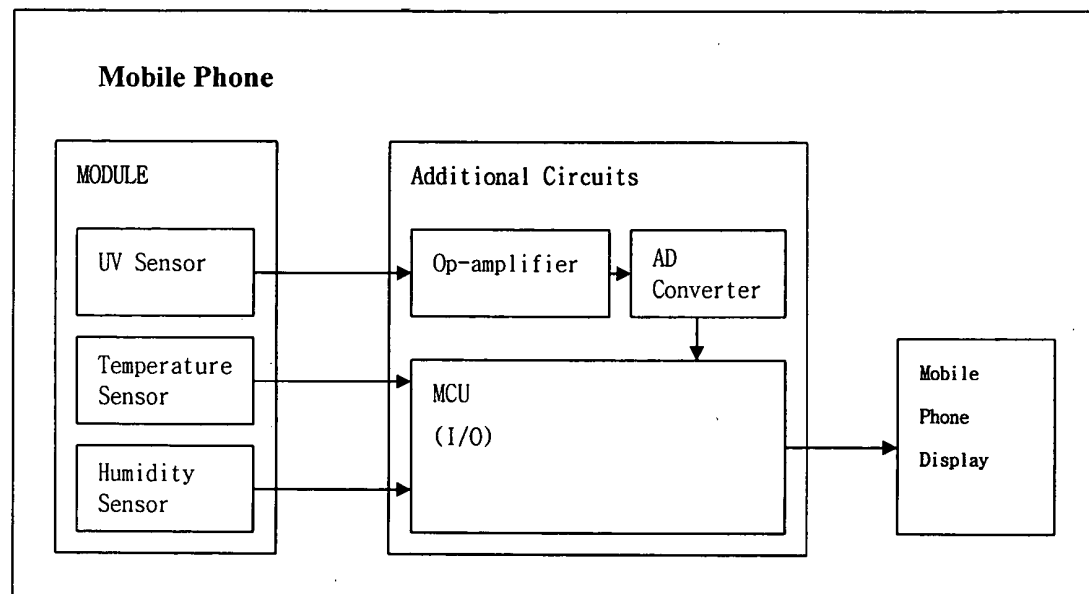
Latest standardized assignees - inventors removed

SHANGHAI FULLLIFE INFORMATION TECHNOLOGY

Family 17/50 - FAMPAT - ©Questel

Title

(US20070004449)

Mobile communication device with **environmental sensors****Images****Publication data including kind & date**[US20070004449](#)

A1 2007-01-04

US20070004449

**Abstract**

(US20070004449)

The invention relates to a mobile communication device such as a cellular phone or **wireless** personal digital assistant (PDA) that incorporates **environmental** monitoring **sensors** to detect such factors as **humidity**, **temperature** and **ultraviolet (UV)** radiation levels. The invention integrates these key **environmental sensors** into a module that is integrated with a mobile phone or, in one embodiment, may be adapted as a separate device in **wireless** communication with a mobile phone or other mobile communication device. Integration is accomplished by the use of a microprocessor control unit and may employ an op-amplifier and analog-to-digital converter for certain data streams.

Inventors

SHAM JOHN C

Latest standardized assignees - inventors removed

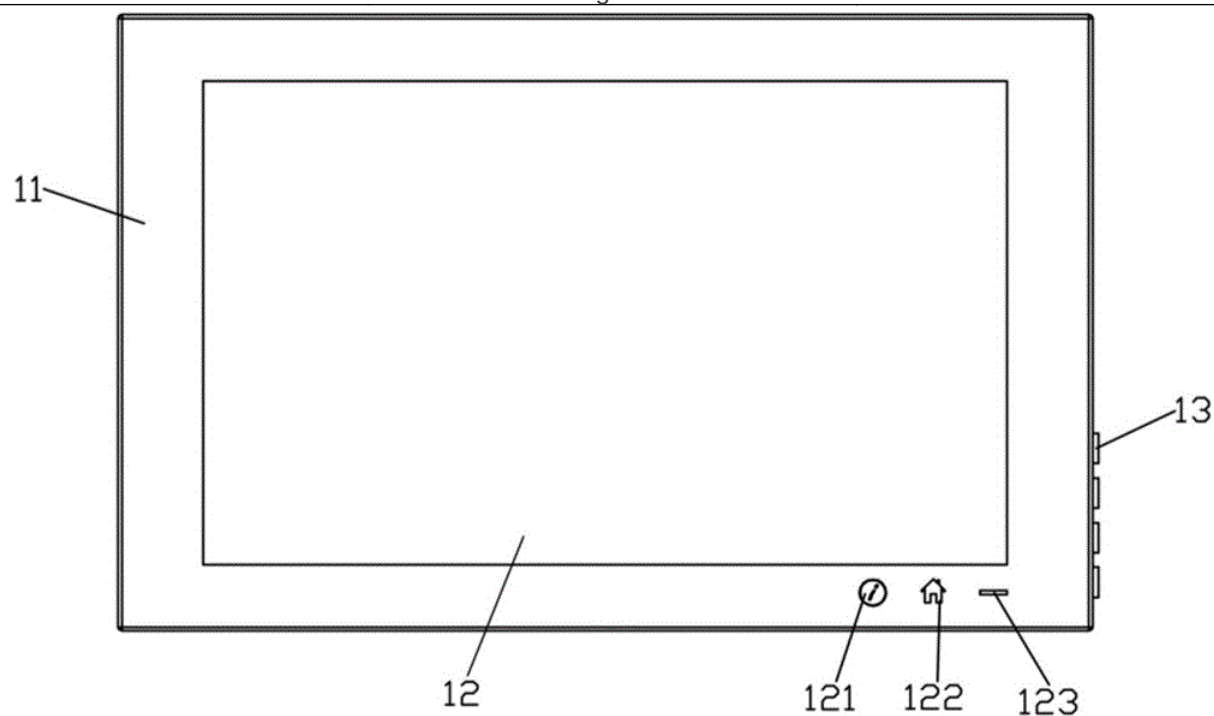
GE INVESTMENTS

Family 18/50 - FAMPAT - ©Questel

Title

(CN206058825U)

Wireless meteorological **display****Images**

**Publication data including kind & date**

CN206058825

U

2017-03-29

CN206058825U

**Abstract**

(CN206058825U)

The utility model discloses a **wireless** meteorological **display**, constitute including **display** main part and unable adjustment base, the **display** main part includes the shell, the inside microcontroller that is provided with of shell, and the front of shell is provided with liquid crystal **display**, and the lower right corner of shell has set gradually power button, menu button and standby button, and the right flank of shell is provided with the **wireless** network interface card socket, and the lower part of **wireless** network interface card socket has set gradually **temperature sensor**, **humidity** transducer, **UV sensors**, baroreceptor and wind speed detector. The utility model discloses be provided with **temperature sensor**, **humidity** transducer, **UV sensors**, baroreceptor and wind speed detector and survey, show current **environmental** parameter in real time through the **display screen** to report to the police to special weather through the alarm, remind people to go out to notice relevant protection and prepare, it still has unable adjustment base, can place unable adjustment base on the soil in the field, realizes the fixed of **display**.

Inventors

YOU DANLEI

Latest standardized assignees - inventors removed

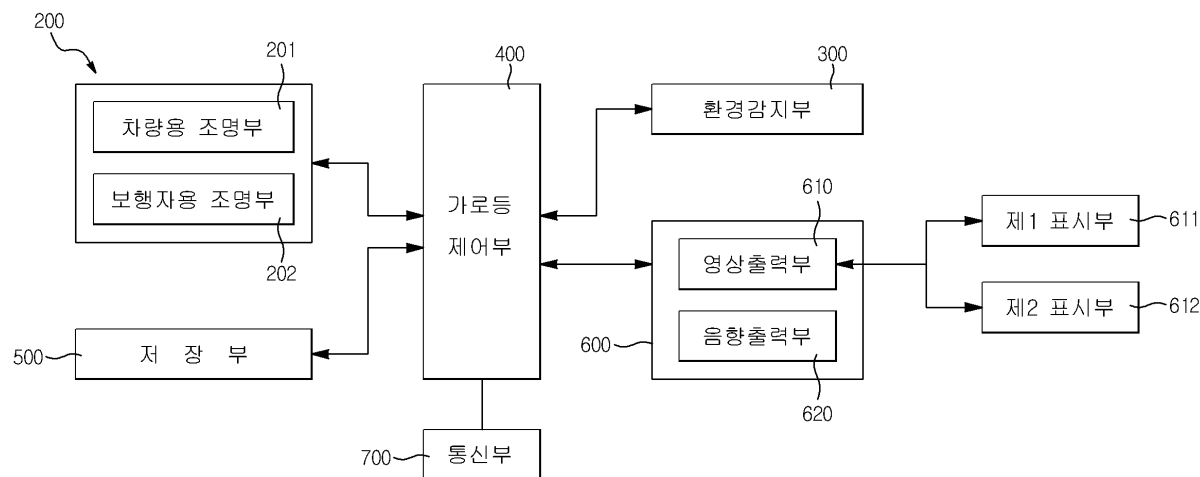
YAJIE TECHNOLOGY

Family 19/50 - FAMPAT - ©Questel

Title

(KR20090108979)

Ubiquitous streetlight having **environment sensor****Images**



Publication data including kind & date

KR20090108979

A

2009-10-19

KR20090108979



Abstract

(KR20090108979)

PURPOSE: A ubiquitous streetlight having an **environment sensor** is provided to supply information related to **environment** management according to the class of collected **environment** information by installing an **environment sensor** on the device. **CONSTITUTION:** A ubiquitous streetlight having an **environment sensor** is composed of an **environment sensor**(300) and a street light controller(400). The **environment sensor** collects **environmental** information around the street light, and the street light controller controls on/off of the lighting apparatus in responses to a predetermined driving condition. The street light controller outputs an **environment** management according to classes of collected **environment** information from the **environment sensor**.

Inventors

KIM UK

Latest standardized assignees - inventors removed

UNIVERSITY HONGIK INDUSTRY ACAD COOP FDN

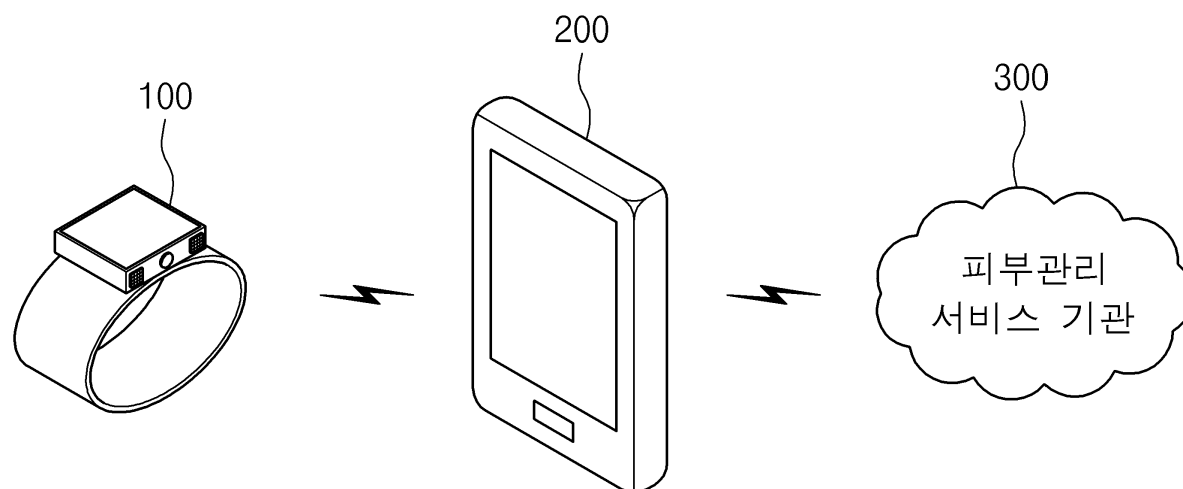
Family 20/50 - FAMPAT - ©Questel

Title

(KR101719553)

Skin care system using tanning time management function of skintfit type and **wireless** communication function

Images



Publication data including kind & date

KR20170014425

A

2017-02-08

KR20170014425

KR101719553

B1

2017-03-24

KR101719553



Abstract

(KR101719553)

Disclosed is a skin care system linking a skin-customized tanning time management function and a mobile communication function. According to the present invention, the skin care system comprises: a skin-contacting sensing device to sense skin condition information including skin moisture level information of a user and a surrounding **environment** including an **ultraviolet** exposure amount in real time or in a prescribed time unit to selectively **display** the skin condition information and the surrounding **environment** and generate skin moisture level information and surrounding **environment** information; a mobile communication device to generate and **display** tanning time management information, skin care information, and a transfer message in accordance with the skin moisture level information and the surrounding **environment** information including the **ultraviolet** exposure amount by an application program; and a management service server to supply prescribed tanning time management information and skin care information corresponding to the skin moisture level information and the surrounding **environment** information including the **ultraviolet** exposure amount. A tanning time and a skin condition can be managed in accordance with the skin condition.

Inventors

HAN CHANG HEE

Latest standardized assignees - inventors removed

GPOWER

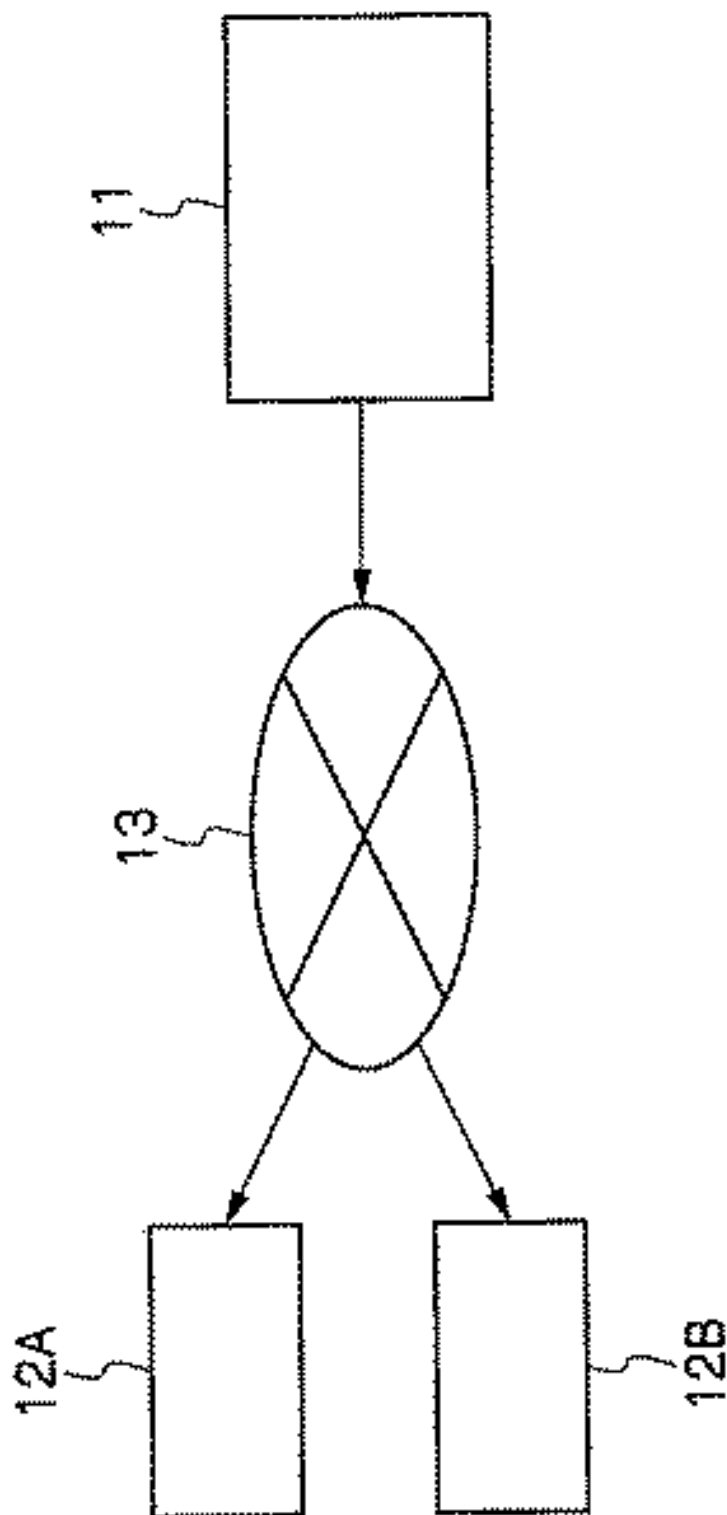
Family 21/50 - FAMPAT - ©Questel

Title

(JP2010121953)

Portable device incorporating **sensor**, carbon dioxide concentration **measurement/disclosing** system, server for the system, program for the server, and program for the portable device

Images



(JP2010121953)

PROBLEM TO BE SOLVED: To provide a portable device, incorporating a **sensor** capable of **measuring** accurate carbon dioxide concentration, or the like, corrected at the altitude of the position concerned, while traveling through a town, and to provide a **measurement/disclosing** system for enabling the utilization of an **environment** map created based on data **measured** by the portable device.

SOLUTION: The portable device incorporating a **sensor** includes: a **sensor** 2 for **measuring** carbon dioxide concentration, **temperature**, and the like; a module or **sensor** (GPS module 3) for detecting a **measurement** position; a starting means for starting **measurement** and starting detecting the **measurement** position; a correction means for correcting the carbon dioxide concentration, or the like by atmospheric data converted from the altitude and **temperature** information of the **measurement** position; a storage means for storing the carbon dioxide concentration, or the like, after the correction, and the **measurement** position; and an output means. The problems have been solved by the portable device that incorporates a **sensor**. The **measurement/disclosing** system 10 includes a server 11, that creates an **environment** map by processing the **measured** information that is usable by a system user.

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Inventors

KAMIJO TETSUYA

Latest standardized assignees - inventors removed

CORE STANDARD

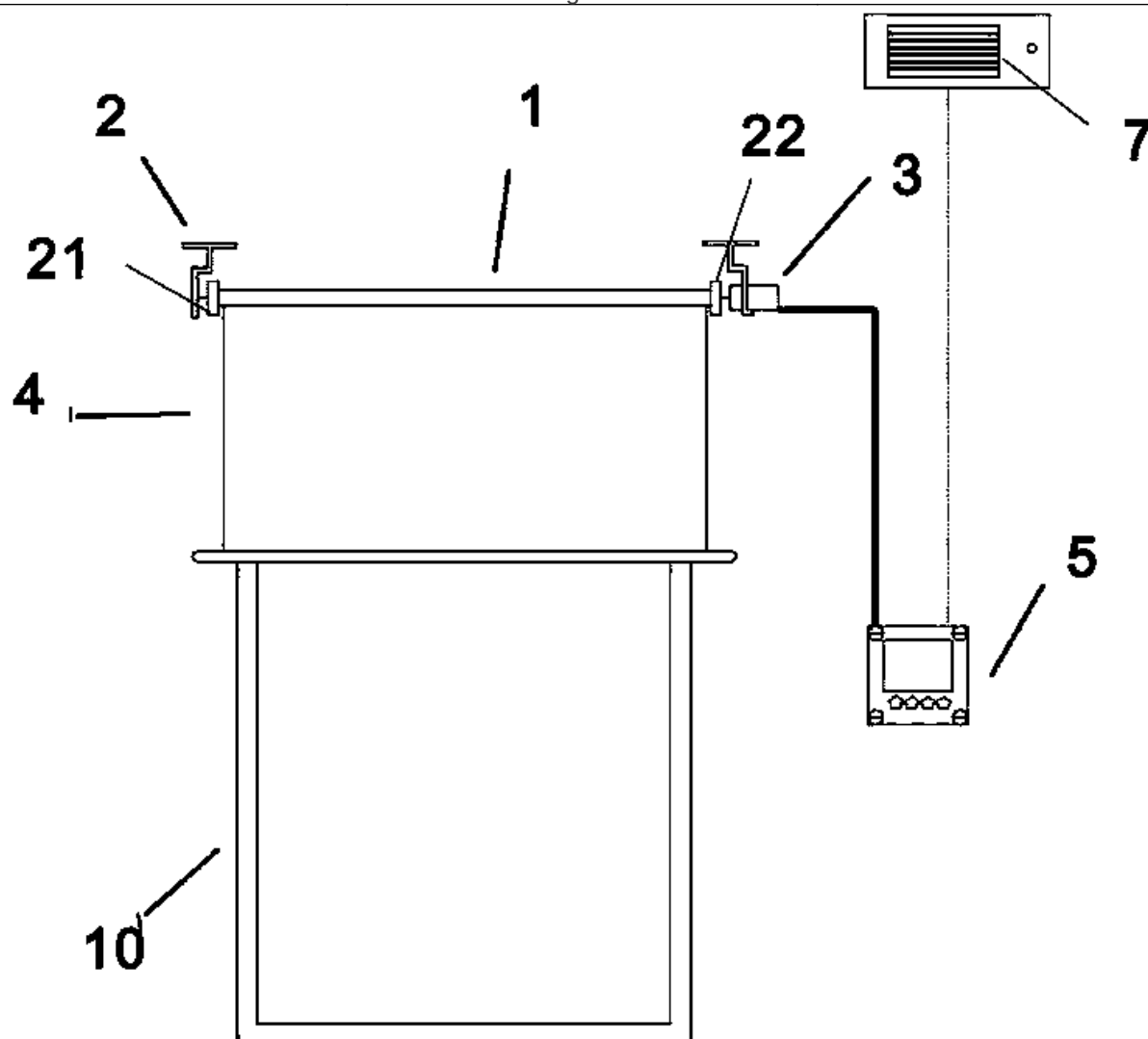
Family 22/50 - FAMPAT - ©Questel

Title

(CN204839055U)

Office's intelligence (window) curtain with **environment measuring** function

Images

**Publication data including kind & date**

CN204839055

U

2015-12-09

CN204839055U

**Abstract**

(CN204839055U)

The utility model relates to an office's intelligence (window) curtain with **environment measuring** function, including the (window) curtain, the window, slewing mechanism and outdoor induction system, the (window) curtain is installed on slewing mechanism, slewing mechanism installs on the window, slewing mechanism includes the mount, the axis of rotation, pivot motor and controller, the mount transversely sets up on the window, the both ends at the mount are installed respectively to the axis of rotation, the controller includes the **wireless** receiving module, a single -chip microcomputer, a memory, a liquid crystal **display screen**, drive control module and clock circuit, outdoor induction system includes **UV sensors**, photosensitive module, the **temperature** sensing module, a weighing **sensor** and a **temperature sensor**, **humidity** transducer, **wireless** sending module, storage module, control chip, switch and rechargeable battery, through above - mentioned technical scheme's whole design, realization (window) curtain automated control's effect still has the **environment measuring** function, easy operation, convenient and practical.

Inventors

GAO QIYUAN

ZHANG FENGTAO

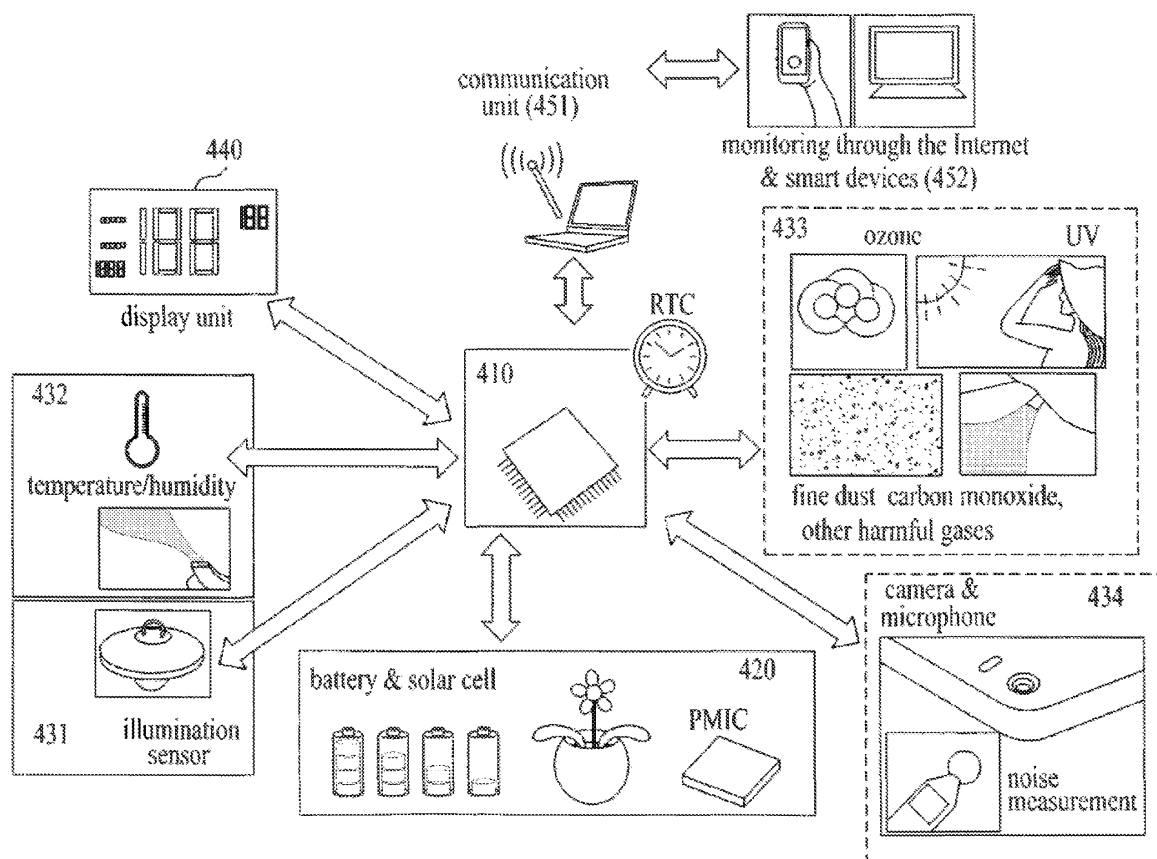
Latest standardized assignees - inventors removed

JILIN TEACHERS INSTITUTE OF ENGINEERING & TECHNOLOGY

Family 23/50 - FAMPAT - ©Questel

Title

(US9537670)

Environment monitoring method and apparatus therefor**Images****Publication data including kind & date**

CN104977040	A	2015-10-14	CN104977040
KR20150116065	A	2015-10-15	KR20150116065
JP2015201845	A	2015-11-12	JP2015201845
US20160042630	A1	2016-02-11	US20160042630
KR101678728	B1	2016-11-23	KR101678728
US9537670	B2	2017-01-03	US9537670
CN104977040	B	2017-06-23	CN104977040B

**Abstract**

(US9537670)

An **environment** monitoring method and an apparatus therefor are provided. The **environment** monitoring apparatus includes a charging unit configured to charge power necessary for monitoring **environments**, a sensing unit configured to receive the power from the charging unit and to sense peripheral **environments** through a plurality of different **sensors** which are selected according to a request of a user, a controller configured to control settings of the sensing unit according to the peripheral **environments**; a communication unit configured to transmit the sensed information of the sensing unit to a server so that the server shares the sensed information with a plurality of smart devices, and a **display** unit configured to **display** the sensed information to the user and to **display** a notification according to the sensed information to the user.

Inventors

CHO HYUN TAE

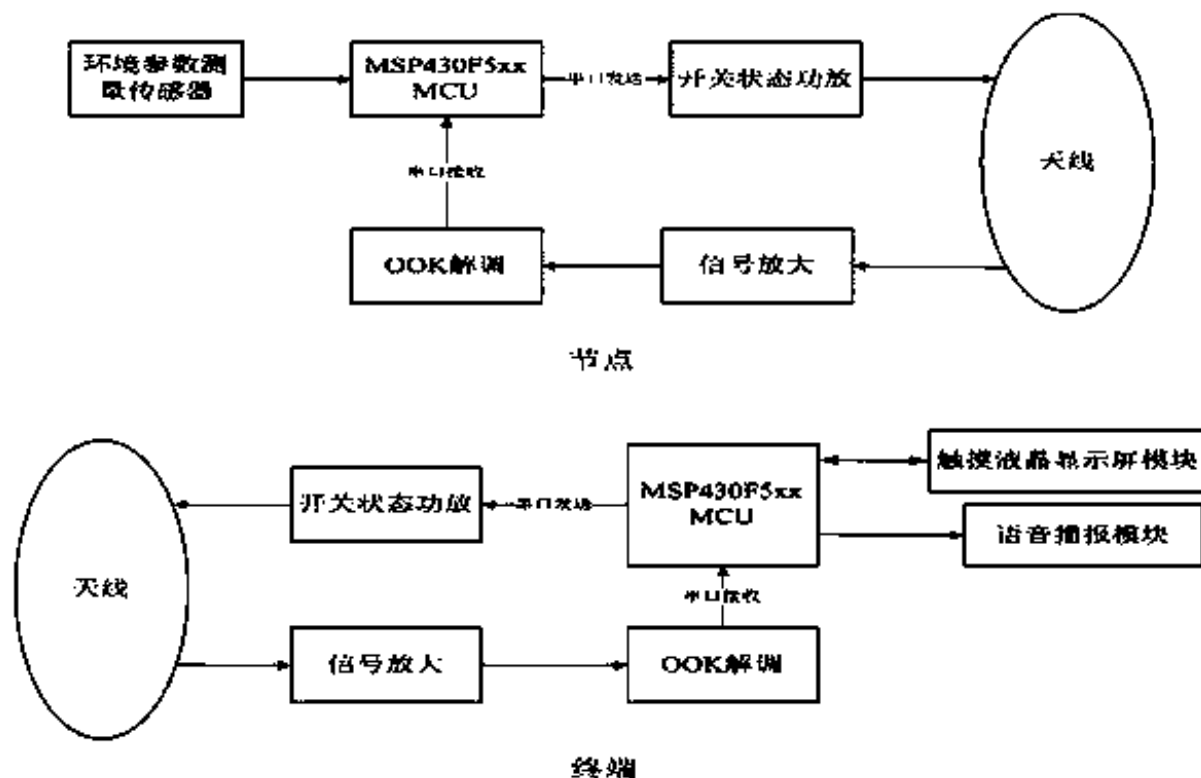
KYUNG CHONG MIN

Latest standardized assignees - inventors removedCENTER FOR INTEGRATED SMART **SENSORS** FOUNDATION

(CN203672412U)

Wireless low-power-consumption intelligent **environment** monitoring system

Images

**Publication data including kind & date**

CN203672412

U

2014-06-25

CN203672412U

**Abstract**

(CN203672412U)

The utility model discloses a **wireless** low-power-consumption intelligent **environment** monitoring system which comprises a monitoring terminal subsystem and a detection node subsystem. Information interaction between the two subsystems is carried out in a **wireless** communication mode. A **wireless** communication module enables a detection node to transmit **environment** information to a monitoring terminal in a data frame mode so that the **environment** information can be conveniently **displayed** on a touch liquid crystal **display**, and meanwhile identity check can be carried out on the detection node through the monitoring terminal. Carrier signals of the **wireless** communication module are generated through an AD9854 chip based on DDS digital frequency carrier waves, and the output frequencies of the carrier signals range from 0 MHz to 120 MHz. An MSP430F5438 single-chip microcomputer serves as a control core of the detection node, and an **environment** detection module completes detection on the **ultraviolet** light radiation quantity, the inhalable particle concentration, the SO₂ concentration, the **temperature**, the **humidity** and the air speed through the **sensor** technology; meanwhile, a user can select the upper limit warning function to complete friendly man-machine interaction.

Inventors

LIU RUIAN

FENG CHENHAO

LUO CHENXIAN

WANG LAN

Latest standardized assignees - inventors removed

TIANJIN NORMAL UNIVERSITY

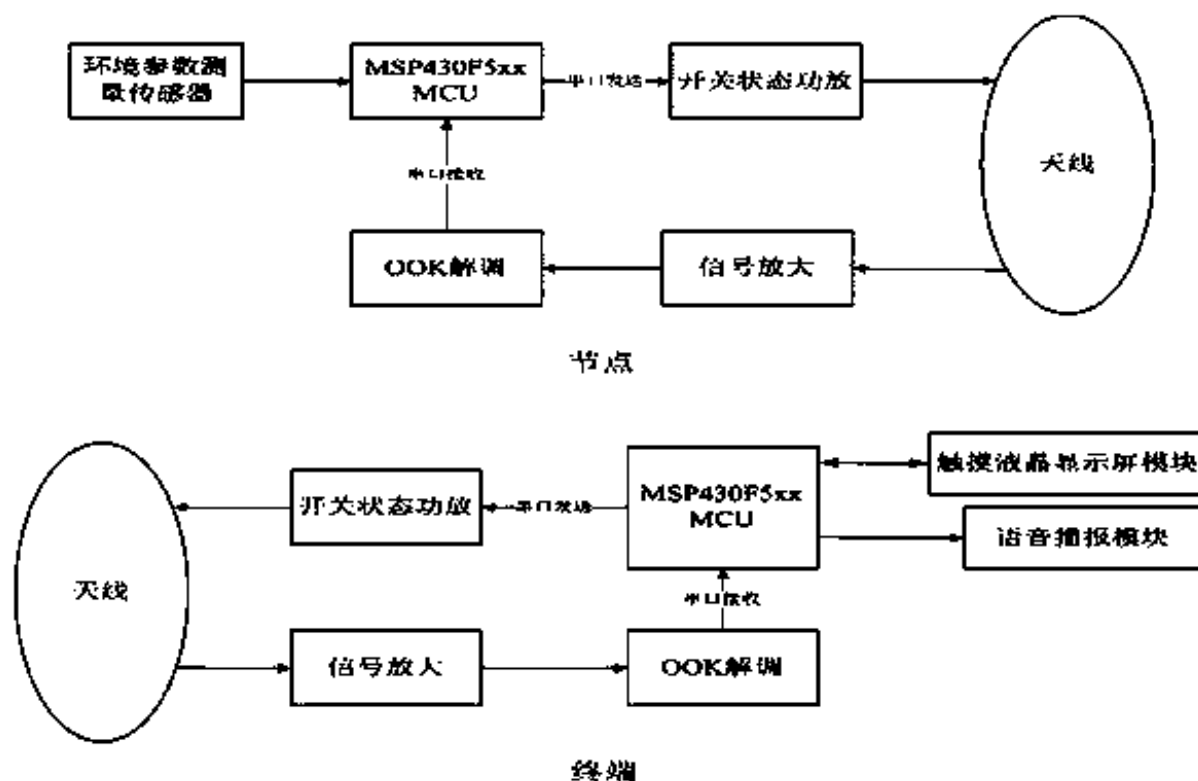
Family 25/50 - FAMPAT - ©Questel

Title

(CN103759766)

Wireless low-power-consumption intelligent **environment** monitoring system

Images



Publication data including kind & date

CN103759766

A

2014-04-30

CN103759766



Abstract

(CN103759766)

The invention discloses a **wireless** low-power-consumption intelligent **environment** monitoring system which comprises a monitoring terminal subsystem and a detection node subsystem. Information interaction between the two subsystems is carried out in a **wireless** communication mode. A **wireless** communication module enables a detection node to transmit **environment** information to a monitoring terminal in a data frame mode so that the **environment** information can be conveniently **displayed** on a touch liquid crystal **display**, and meanwhile identity check can be carried out on the detection node through the monitoring terminal. Carrier signals of the **wireless** communication module are generated through an AD9854 chip based on DDS digital frequency carrier waves, and the output frequencies of the carrier signals range from 0 MHz to 120 MHz. An MSP430F5438 single-chip microcomputer serves as a control core of the detection node, and an **environment** detection module completes detection on the **ultraviolet** light radiation quantity, the inhalable particle concentration, the SO₂ concentration, the **temperature**, the **humidity** and the air speed through the **sensor** technology; meanwhile, a user can select the upper limit warning function to complete friendly man-machine interaction.

Inventors

LIU RUIAN

FENG CHENHAO

LUO CHENXIAN

WANG LAN

Latest standardized assignees - inventors removed

TIANJIN NORMAL UNIVERSITY

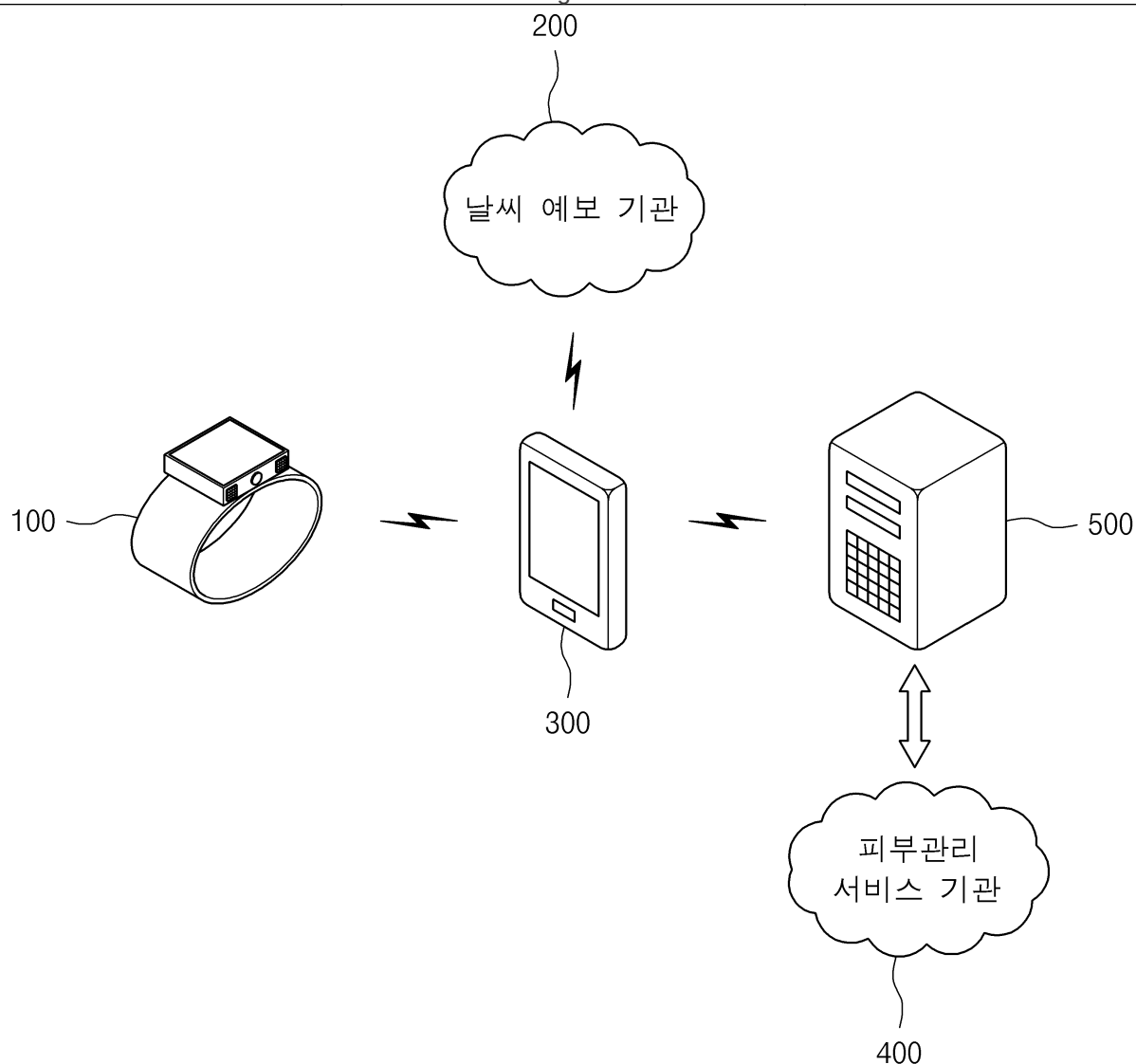
Family 26/50 - FAMPAT - ©Questel

Title

(KR20160107479)

Skin care system using skin condition sensing function and **wireless** communication function

Images

**Publication data including kind & date**

KR20160107479

A

2016-09-19

KR20160107479

**Abstract**

(KR20160107479)

Disclosed is a skin care system connecting a skin condition sensing function and a mobile communication function, which connects a skin contact type sensing device, sensing skin conditions and **environment** information in real time, and an application program of a mobile communication device such that a user can confirm skin conditions in real time and professionally care users skin. The skin care system connecting a skin condition sensing function and a mobile communication function according to an embodiment of the present invention comprises: a skin contact type sensing device which senses and selectively **displays** users skin conditions and surrounding **environment** in real time or in a preset time unit, and generates skin condition information and surrounding **environment** information; and a mobile communication device which generates and **displays** a skin care tips message and a skin damage risk warning and transmitting message according to the skin condition information, the surrounding **environment** information, and weather forecast information through an application program; and a management server which provides, to the mobile communication device, preset skin care information corresponding to the skin condition information, the surrounding **environment** information, and the weather forecast information.

Inventors

HAN CHANG HEE

Latest standardized assignees - inventors removed

GPOWER

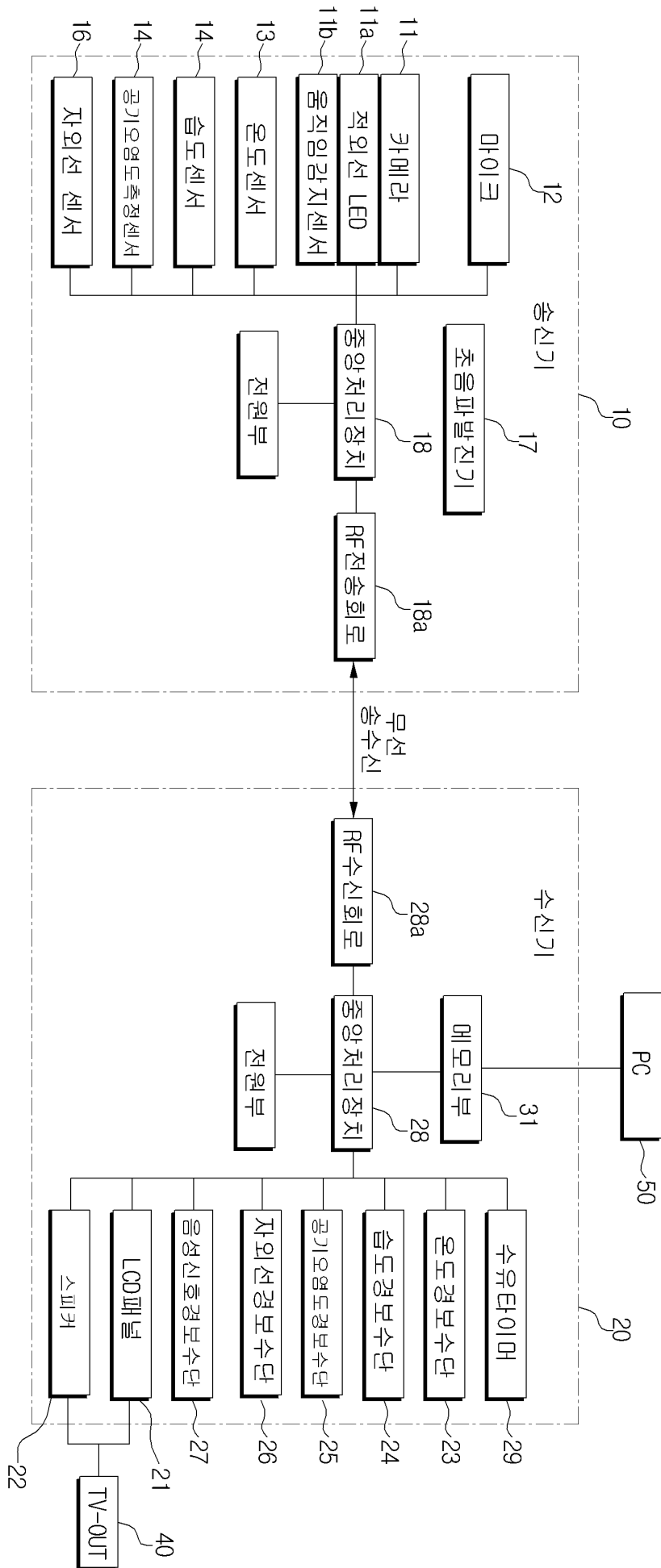
Family 27/50 - FAMPAT - ©Questel

Title

(KR200430806U)

Monitoring system for a living **environment** around a baby

Images



Publication data including kind & date

KR200430806

Y1 2006-11-13

KR200430806U

**Abstract**

(KR200430806U)

The present invention comprises a granuloma experience difficulty in using radio frequencies for the parent to child to the **environment** information in a local area network to collect and transmit real time and the labor of granuloma parents and infant **environmental** changes less vulnerable to ambient **environment** to help the parents to the collected information and storing the systematic PC or the Internet to a system for the childcare the present invention. The present invention relates to various configuration by a **sensor** and microphone for collecting information, having both of an infrared night imaging function LED to a digital camera **sensor**, an image in real time for transmitting the analog video transmission and data transmission incorporating a transmitter and a **wireless** circuit, image and data receiving circuit for receiving a memory for storing various information, LCD for playing back a video in real time, a speaker for reproducing sound in real time or the like consists of a receiver is provided, which are harmful to the infant real time **environmental** factors or infant's state may be transmitted wirelessly to a parent node of the parent node to another in a short while observing the state of the child and the child can be quickly detected to harmful **environmental** factors stable granuloma can help activities. Various types of information stored on the Internet and PC the system can be the caregiver.

Inventors

KANG CHUL MIN

LEE CHANG HO

Latest standardized assignees - inventors removed

SENPLUS

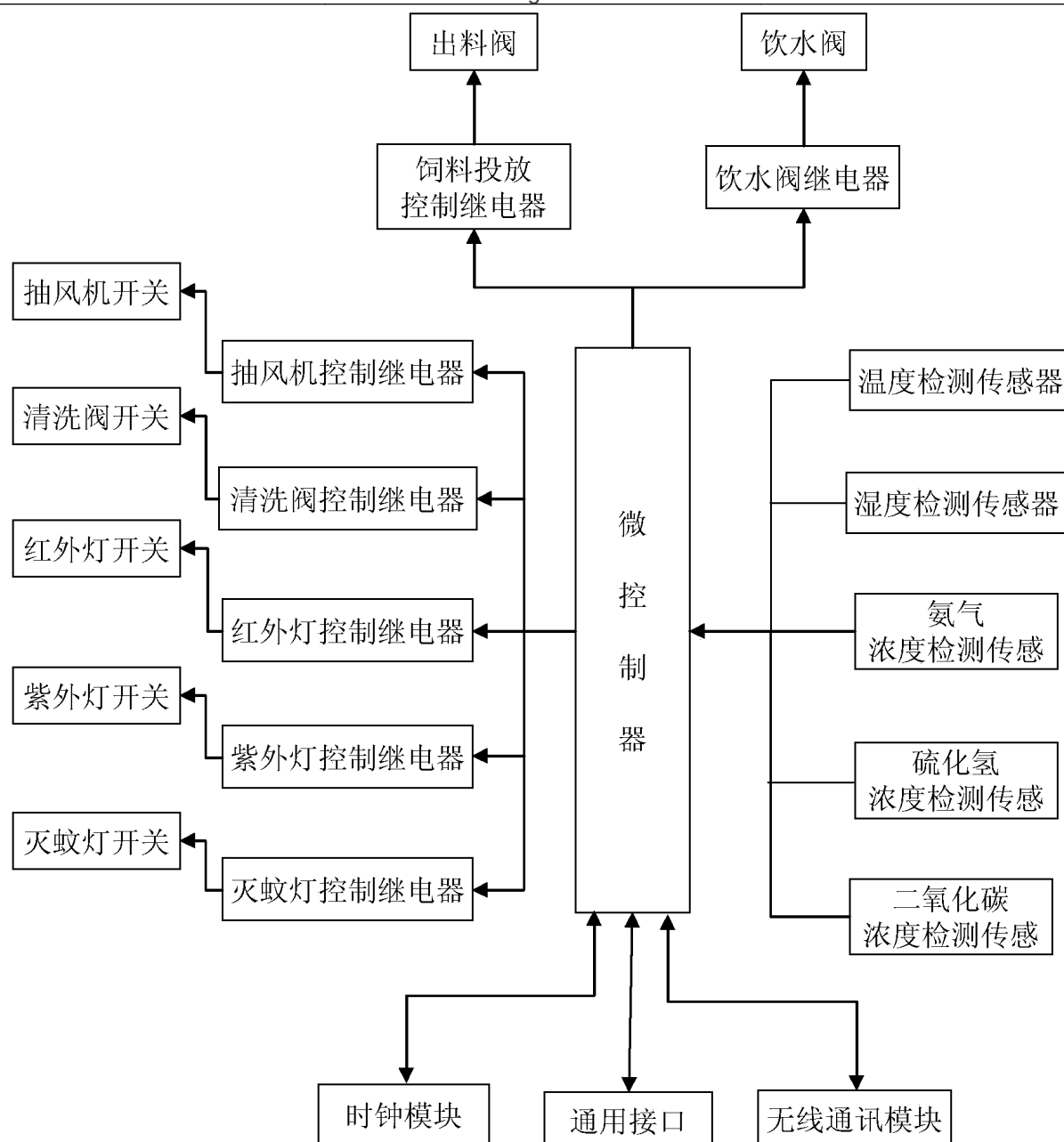
YESTELECOM

Family 28/50 - FAMPAT - ©Questel

Title

(CN105138052)

Pig-keeping system capable of intelligently monitoring **environments**, and monitoring method thereof**Images**



Publication data including kind & date

CN105138052

A 2015-12-09 CN105138052



Abstract

(CN105138052)

The invention provides a pig-keeping system capable of intelligently monitoring **environments**, and a monitoring method thereof. The pig-keeping system comprises a microcontroller in connection with a clock module; the microcontroller is in connection with **temperature** and **humidity sensors** for monitoring pig house **environments**, and ammonia gas, hydrogen sulfide and concentration detection **sensors**; the microcontroller is also in connection with a drawing fan, a purge valve, an infrared lamp, and forage feed and drinking-water valve control relays. Each relay is in connection with associated facilities. The monitoring method comprises: the microcontroller storing ammonia gas, hydrogen sulfide and carbon dioxide content set values, **temperature** and **humidity** set values, cleaning time, and feeding and water supply time; and starting associated relays to perform cleaning, exhausting, heating, humidification, food and water supply, etc. according to set parameters. The pig-keeping system can monitor independently, operate efficiently, save manpower and resources, guarantee sanitation, reduce costs, and improve farming efficiency; a plurality of systems are in **wireless** connection with a host computer to accept technical guidance and to boost a management level; set parameters of each system can be automatically adjusted, or controlled by the host computer.

Inventors

CHEN XIANPING

CHEN WEIBIN

ZHONG FUSHENG

QIU FACHAO

CAI MIAO

Latest standardized assignees - inventors removed

GUILIN UNIVERSITY OF ELECTRONIC TECHNOLOGY

Family 29/50 - FAMPAT - ©Questel

Title

(WO2016189477)

Apparatus for automatic management of a cultivation recipe for producing, using hydroponic technology, vegetables to be used for human food

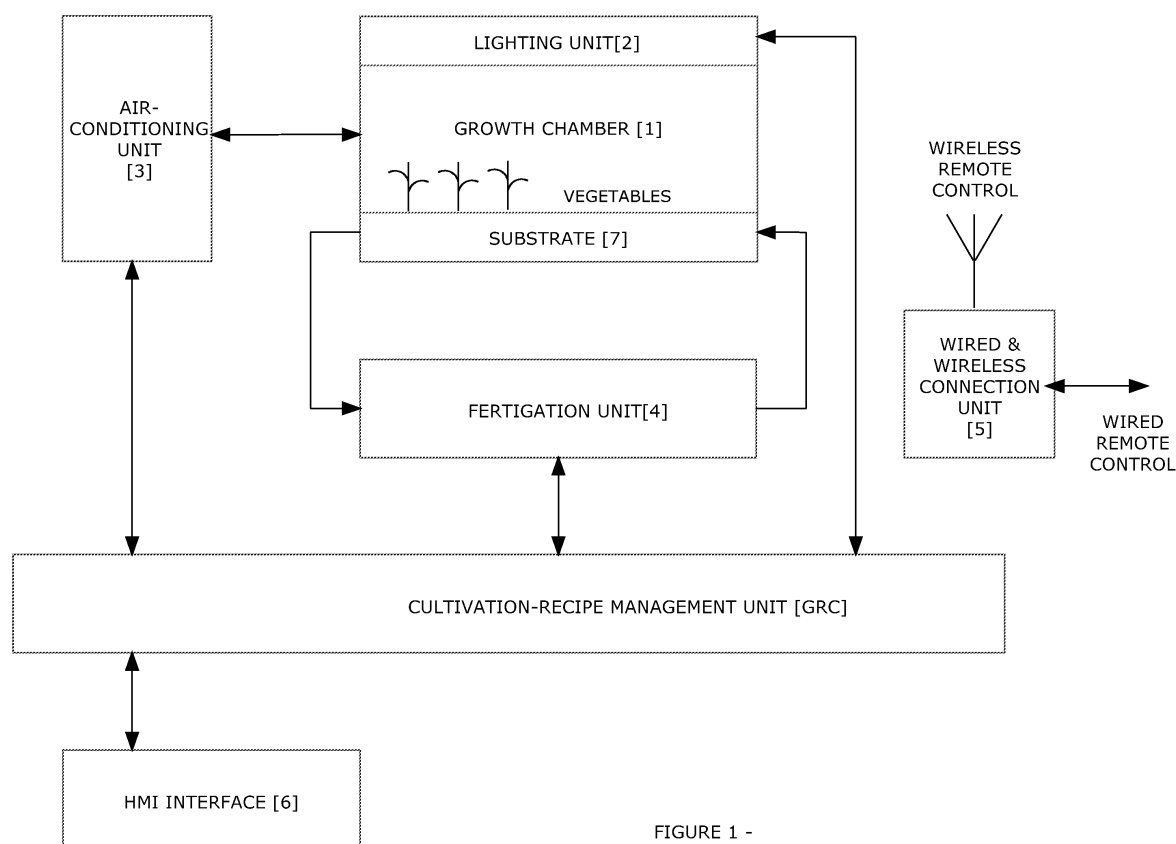
Images

FIGURE 1 -

Publication data including kind & date

WO2016189477

A1 2016-12-01

WO2016189477

**Abstract**

(WO2016189477)

A machine for cultivation of vegetables using hydroponic technology, characterized in that it comprises one or more growth chambers (1), within which a climate is maintained for each day/night for the vegetable species that are to be cultivated and in that it comprises, in combination: means for air treatment (3), which envisage control of **temperature**, relative **humidity**, and contamination levels; means for lighting (2) of each growth chamber, which have a spectral intensity and density suitable for cultivation of vegetables; means (4) for nourishing the vegetables using fertigation, with a quality and quantity specific for the vegetable species cultivated; and means (GRC) for automatic management of the apparatus in order to grow in optimal conditions the plants contained in each growth chamber, following a Cultivation Recipe, which, for each moment of life of the plant, from sowing to harvest, enables each plant to be provided with the right **environmental** conditions and conditions of nourishment via automatic regulation and control of all the parts making up the apparatus itself. Said Cultivation Recipe is stored in the said automatic-management means (GRC), which include processing means

and a software capable of governing and controlling all the parts making up the machine to obtain the vegetal growth envisaged and predetermined as a function of the parameters detected in real time and of those envisaged in the Cultivation Recipe.

Inventors

PONTETTI GIORGIA

PONTETTI VALENTINA

Latest standardized assignees - inventors removed

FERRARI FARM SOCIETÀ AGRICOLA

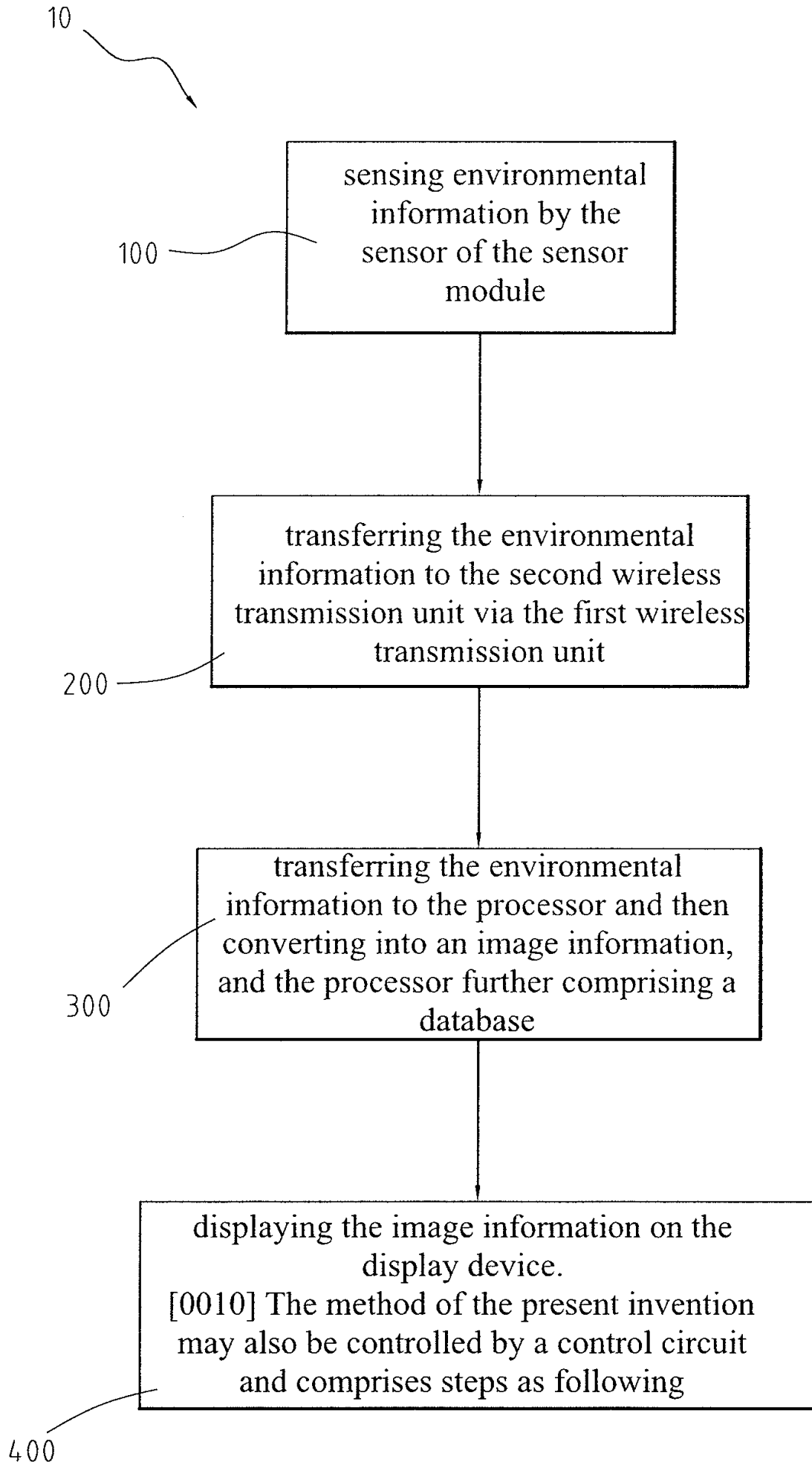
Family 30/50 - FAMPAT - ©Questel

Title

(US20090267759)

Method for controlling a **wireless** smart **display** panel

Images



Publication data including kind & date

US20090267759	A1	2009-10-29	US20090267759
TW200945840	A	2009-11-01	TW200945840
TWI387283	B	2013-02-21	TWI387283

**Abstract**

(US20090267759)

A method for controlling a **wireless** smart **display** panel. The method uses a **sensor** to monitor **environmental** information, such as **temperature** or **humidity**, and the information is transmitted to a processor by using a **wireless** communication device that is compatible with IEEE 802.15.4. Moreover, the **environmental** information is converted to image information and **displayed** on a **display** device through the processor. Consequently, users understand outward **environmental** information in time.

Inventors

LU SHEY-SHY

HUANG YU-JIE

CHEN TSE-YUAN

KO SHUN-YANG

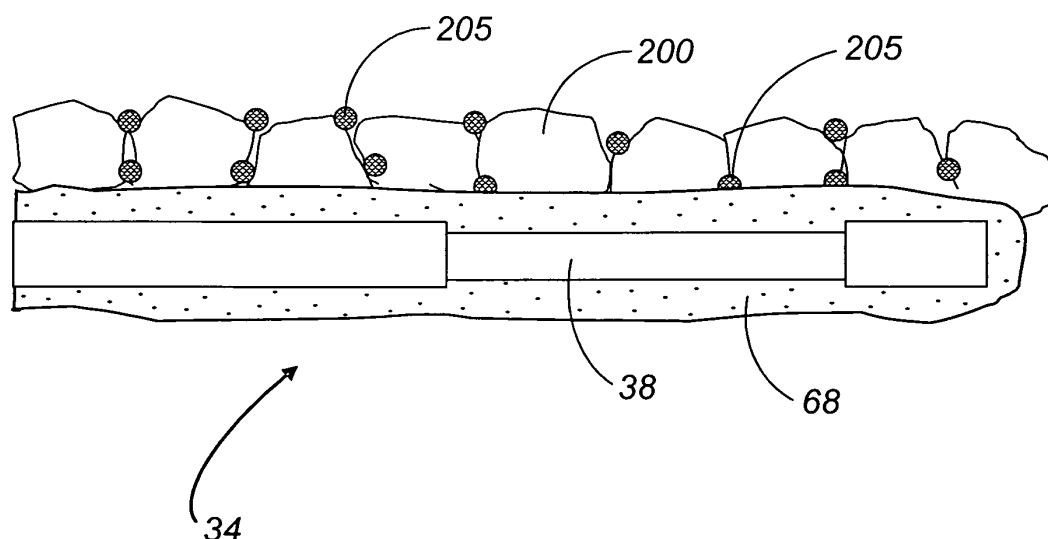
Latest standardized assignees - inventors removed

NATIONAL TAIWAN UNIVERSITY

Family 31/50 - FAMPAT - ©Questel

Title

(EP3111832)

Transcutaneous analyte **sensor****Images****Publication data including kind & date**

US20060016700	A1	2006-01-26	US20060016700
US20060020192	A1	2006-01-26	US20060020192
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Abstract

(EP3111832)

A method for calibrating an analyte **sensor**, the method comprising the steps of: receiving **sensor** data from the analyte **sensor**, the **sensor** data comprising at least one **sensor** data point representative of an analyte concentration **measurement** in the host; converting the **sensor** data into calibrated data using a conversion function based on prior information, wherein the prior information comprises sensitivity and/or baseline information and is used to guide the conversion function; and further comprising receiving reference data from a reference analyte monitor, the reference data comprising at least one reference data point, wherein the reference data point is used in calculating the conversion function.

Inventors

BRAUKER JAMES H

KAMATH APURV ULLAS

DOBBLES MICHAEL J

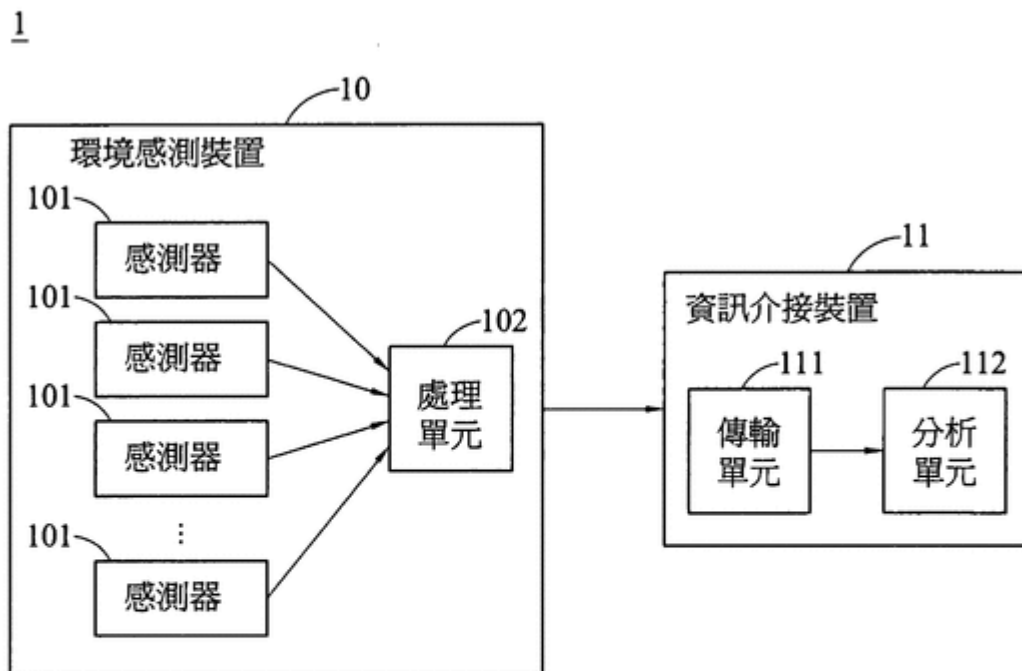
Latest standardized assignees - inventors removed

DEXCOM

Family 32/50 - FAMPAT - ©Questel

Title

(TWM495517)

Integrated **environmental** parameters **measuring** and analyzing system**Images**

第1圖

Publication data including kind & date

TWM495517

U 2015-02-11 TWM495517

**Abstract**

(TWM495517)

One kind of conformity **environment** parameter gauging and analysis system, meet the installment including the **environment** sensing equipment and segment to information of **environment** sensing installment, the plural number of **sensory** element **environment** sensing installment may sensing **environment** to obtain sensing data, the processing unit is turns into sensing data quantity by the specific calculating method the **environmental** data, meets the **environmental** data

transmission to information the installment, and meets the analysis of unit installment to save the analysis calculating method analysis **environmental** data by way of information in advance, so may produce various **sensory** elements to provide the **environmental** data, this **environmental** data expressed that information meets the installment in the **environment** of condition position. Therefore, by conformity of **environment** parameter gauging and analysis this creation and other applications, will be helpful to promoting the material usability and reduces the extent of the error.

Inventors

SHIH CHI-HUANG

Latest standardized assignees - inventors removed

GADGLE CREATIVE TECHNOLOGY

Family 33/50 - FAMPAT - ©Questel

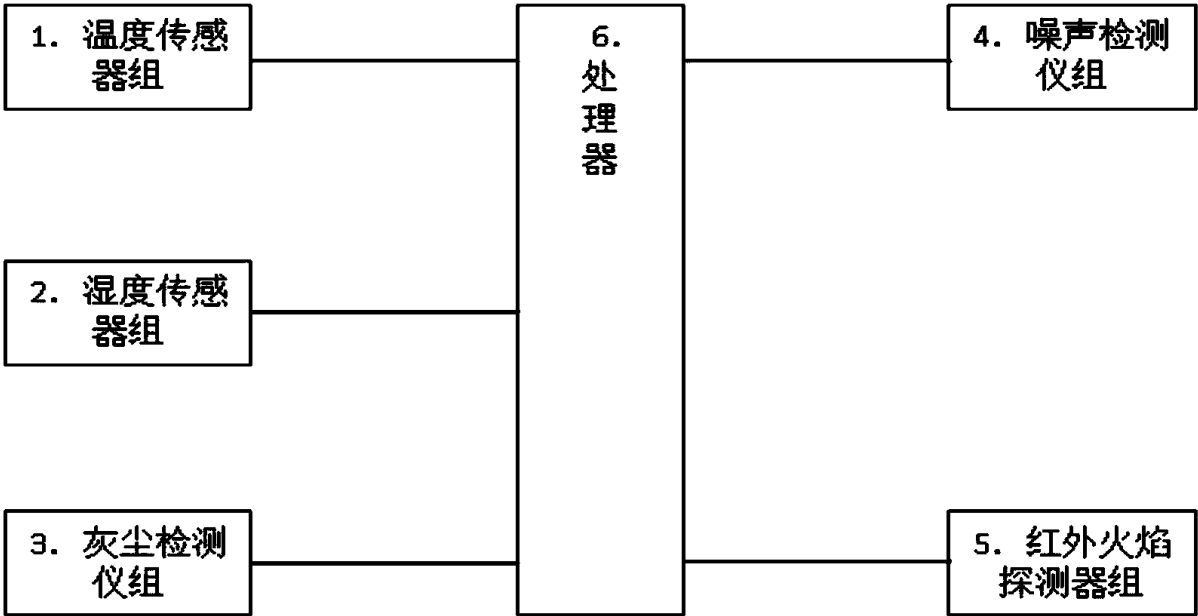
Title

(CN104090558)

Method for monitoring **environment** of textile workshop

Images

纺织车间环境监控系统



Publication data including kind & date

CN104090558 A 2014-10-08 CN104090558



Abstract

(CN104090558)

The invention relates to a method for monitoring the **environment** of a textile workshop. According to the method, a system for monitoring the **environment** of the textile workshop comprises a **temperature sensor** set, a **humidity sensor** set, a dust detection instrument set, a noise detection instrument set, an infrared flame detector set and a processor. The processor is respectively connected with the **temperature sensor** set, the **humidity sensor** set, the dust detection instrument set, the noise detection instrument set and the infrared flame detector set. **Environment** optimization operation or **environment** alarming operation is conducted according to detection results of the **temperature sensor** set, the **humidity sensor** set, the dust detection instrument set, the noise detection instrument set and the infrared flame detector set. Real-time monitoring of multiple parameters of the whole range of the textile workshop is achieved, the intelligent degree of the system for monitoring the **environment** of the textile workshop is improved, and therefore health of textile workers working in the textile workshop and the yield of textile products are guaranteed and noise pollution and fire accidents in the textile workshop are

avoided.

Inventors

THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

Latest standardized assignees - inventors removed

WUXI BEIDOUXINGTONG INFORMATION TECHNOLOGY

Family 34/50 - FAMPAT - ©Questel

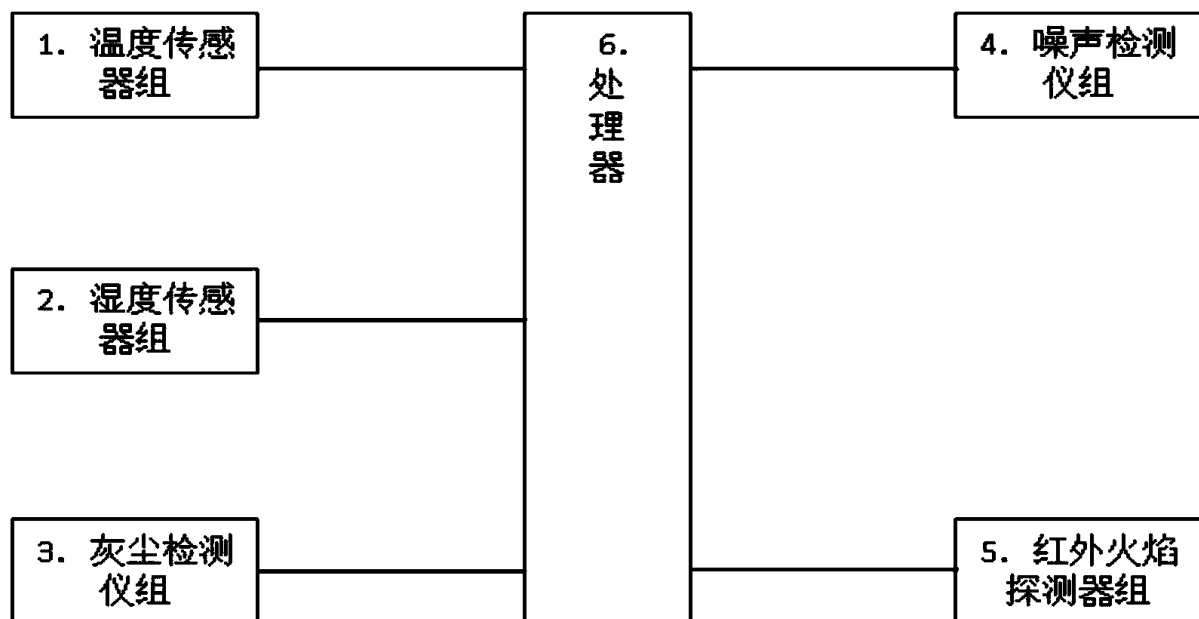
Title

(CN104122914)

Spinning workshop **environment** monitoring system

Images

纺织车间环境监控系统



Publication data including kind & date

CN104122914

A

2014-10-29

CN104122914



Abstract

(CN104122914)

The invention relates to a spinning workshop **environment** monitoring system. The monitoring system comprises a **temperature sensor** group, a **humidity sensor** group, a dust detector group, a noise detector group, an infrared flame detector group and a processor. The processor is respectively connected with the **temperature sensor** group, the **humidity sensor** group, the dust detector group, the noise detector group and the infrared flame detector group and performs **environment** optimization operation or **environment** alarm operation according to detection results of the **temperature sensor** group, the **humidity sensor** group, the dust detector group, the noise detector group and the infrared flame detector group. Through the spinning workshop **environment** monitoring system, full-range multi-parameter real-time monitoring of a spinning workshop is achieved, the intelligence degree of a spinning workshop monitoring system is improved, personal safety of workers working in the spinning workshop and the pass percent of spinning products are guaranteed, and noise pollution of the spinning workshop and fire accidents are avoided.

Inventors

THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

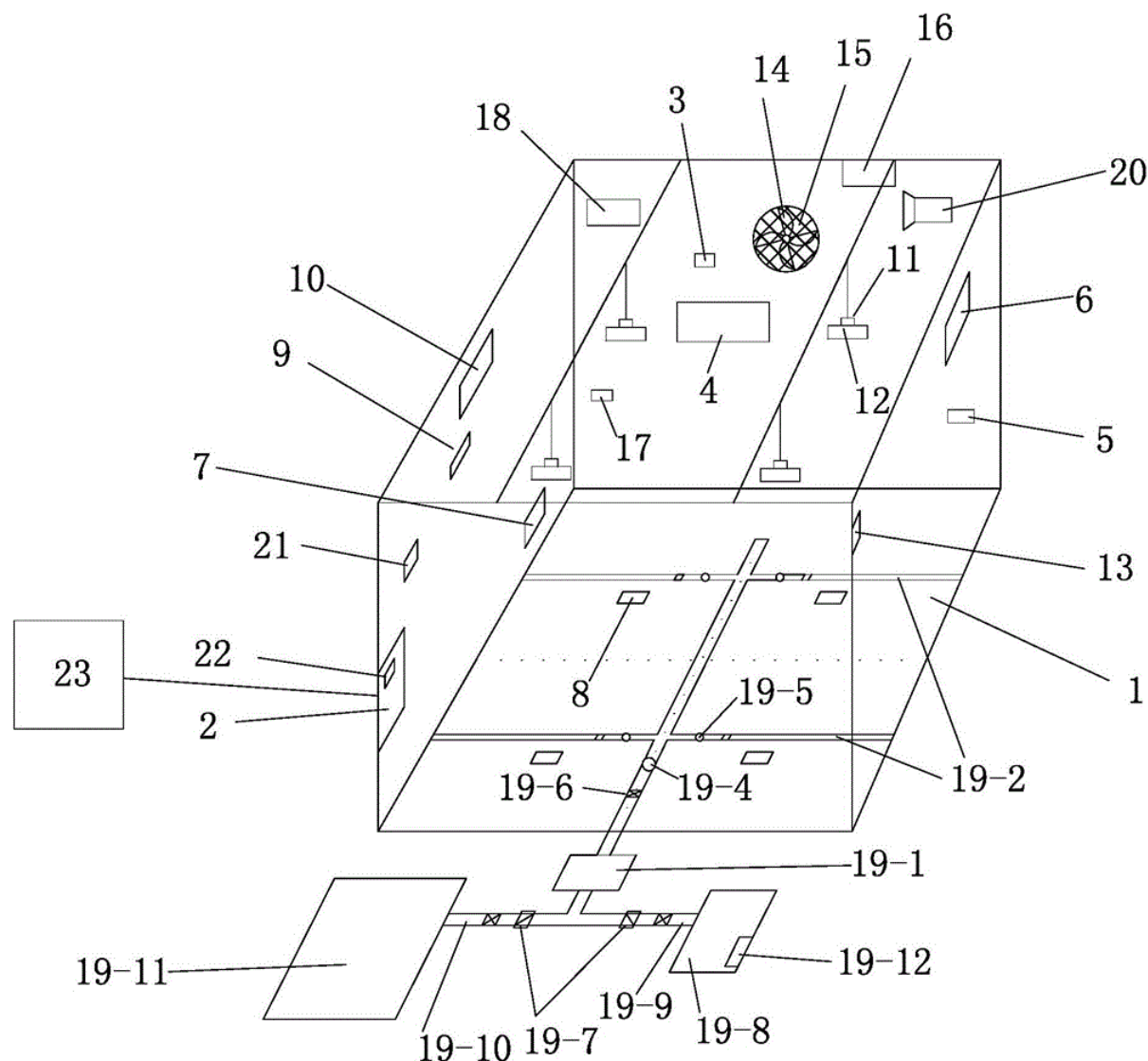
Latest standardized assignees - inventors removed

WUXI BEIDOUXINGTONG INFORMATION TECHNOLOGY

Family 35/50 - FAMPAT - ©Questel

Title

(CN205608561U)

Greenhouse **environment** automated control system**Images****Publication data including kind & date**

CN205608561

U

2016-09-28

CN205608561U

**Abstract**

(CN205608561U)

The utility model discloses a greenhouse **environment** automated control system, it relates to greenhouse **environmental** control system technical field. Install main control unit in the greenhouse, the last time -recorder that is equipped with of main control unit, greenhouse internally mounted have LED light filling banks, are equipped with light illumination sensing ware on the LED light filling banks, and the ventilation blower is installed on the lateral wall in greenhouse, be equipped with the dust **screen** on the ventilation blower, **UV** disinfects bugZapper and installs the top of the lateral wall in greenhouse, air **humidity** inductor, air matter level **sensor**, infrared inductor and light illumination sensing ware are connected with main control unit is electric, and the air conditioner that adjusts the **temperature**, humidifier, dehumidifier, illumination lamps and lanterns, LED light filling banks, carbon dioxide generater, ventilation blower, **UV** disinfect, and bugZapper, automatic irrigation equipment, high definition digital camera and main control unit are electric to be connected. LED illumination control system, **temperature** control system, liquid manure prison **measure** and regulate accuse system in an organic whole are collected to it, realize automated control to the greenhouse, and the equipment investment is less, and the development need tallies with the national condition.

Inventors

YAN YU

YANG JIAJUN

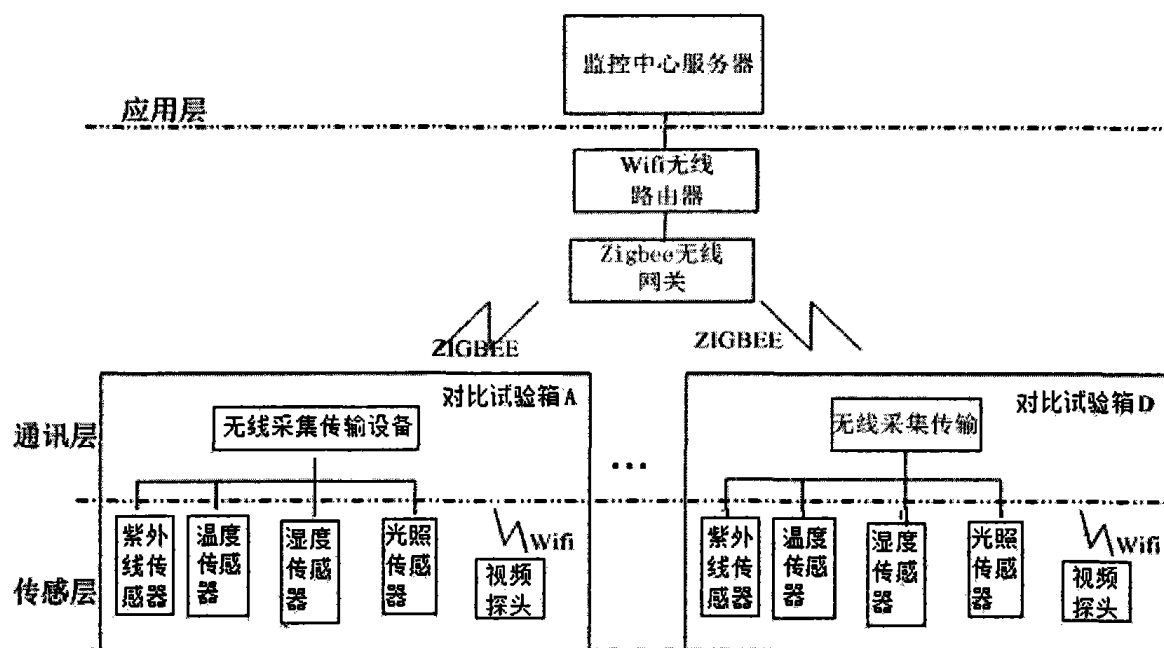
Latest standardized assignees - inventors removed

XIANGXIANG COLLEGE OF XIANGTAN UNIVERSITY

Family 36/50 - FAMPAT - ©Questel

Title

(CN104920114)

Dendrobe seedling **environment** contrast experiment system based on Internet of things**Images****Publication data including kind & date**

CN104920114 A 2015-09-23 CN104920114

**Abstract**

(CN104920114)

The invention provides a dendrobe seedling **environment** contrast experiment system based on Internet of things. The dendrobe seedling **environment** contrast experiment system comprises an application layer, a communication layer and a sensing layer, wherein the application layer is a monitoring center server; the communication layer comprises a Wifi **wireless** router and a zigbee **wireless** gateway; the sensing layer is mounted and distributed in a contrast test chamber; the sensing layer comprises a **temperature sensor**, a **humidity sensor**, an illumination **sensor**, an **ultraviolet sensor** and a video probe; and the monitoring center server is connected to the zigbee **wireless** gateway through the Wifi **wireless** router. A valuable and rare seedling growth **environment** monitoring system is constructed by using an Internet of things technology, the influence of **environmental** parameters on seedlings is tested through the adjustment of different **environmental** parameters in the seedling process, optimal dendrobe seedling growth parameters are obtained on the basis of certain **screening** tests, the growth situation of dendrobe under a natural state is simulated in the whole system, and long-time manual control and interference is not needed.

Inventors

ZHOU XIANCUN

LING HAIBO

LIU ANYONG

LIU RENJIN

CHEN ZHENWEI

ZHAO DAPENG

Latest standardized assignees - inventors removed

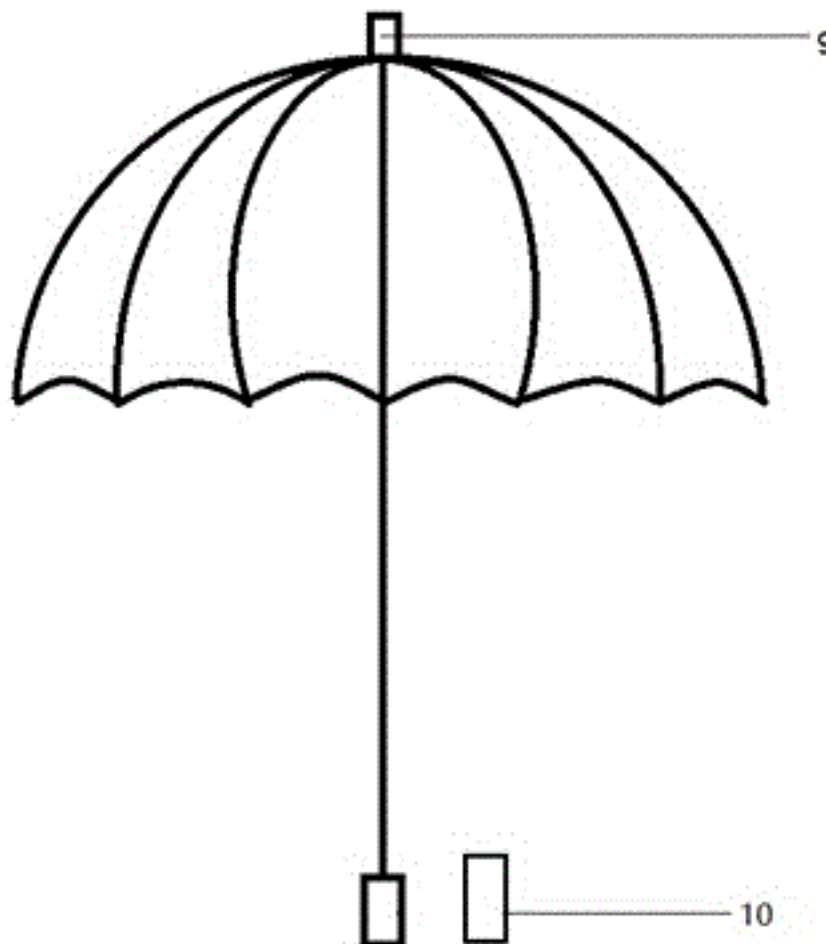
WEST ANHUI UNIVERSITY

Family 37/50 - FAMPAT - ©Questel

Title

(CN106820496)

Smart anti-lost umbrella

Images**Publication data including kind & date**[CN106820496](#)

A

2017-06-13

CN106820496

**Abstract**

(CN106820496)

The invention relates to a smart anti-lost umbrella. The smart anti-lost umbrella comprises an umbrella handle, an umbrella cap, a smartphone and auxiliary modules. The auxiliary modules comprise a communication module, a **temperature** and **humidity** detection module, an air detection module and an **ultraviolet sensor**, a microprocessor, the communication module, the **temperature** and **humidity** detection module, the air detection module, an anti-lost module and a power supply are arranged in the umbrella handle, and the **ultraviolet sensor** is arranged in the umbrella cap; an APP client is arranged in the smartphone and provided with an alarm module, a weather forecast module and a control switch module. The **temperature** and **humidity** detection module detects **temperature** and **humidity** information in the current state, the **ultraviolet sensor** detects the **ultraviolet** coefficient of the current **environment** and transmits the **ultraviolet** coefficient into the APP client in the smartphone through the communication module, and the APP client conducts comprehensive analysis on the collected information, makes judgment in combination with the weather forecast module of the smartphone and **displays** the judgment result to remind a user of whether to take the umbrella. The smart anti-lost umbrella is convenient to use, simple and smart, and the durability and practicability of the umbrella are improved.

Inventors

WANG HANYU

LIU YUCHEN

ZHAO WENQING

JIAO XINBING

Latest standardized assignees - inventors removed

UNIVERSITY OF SHANGHAI FOR SCIENCE & TECHNOLOGY

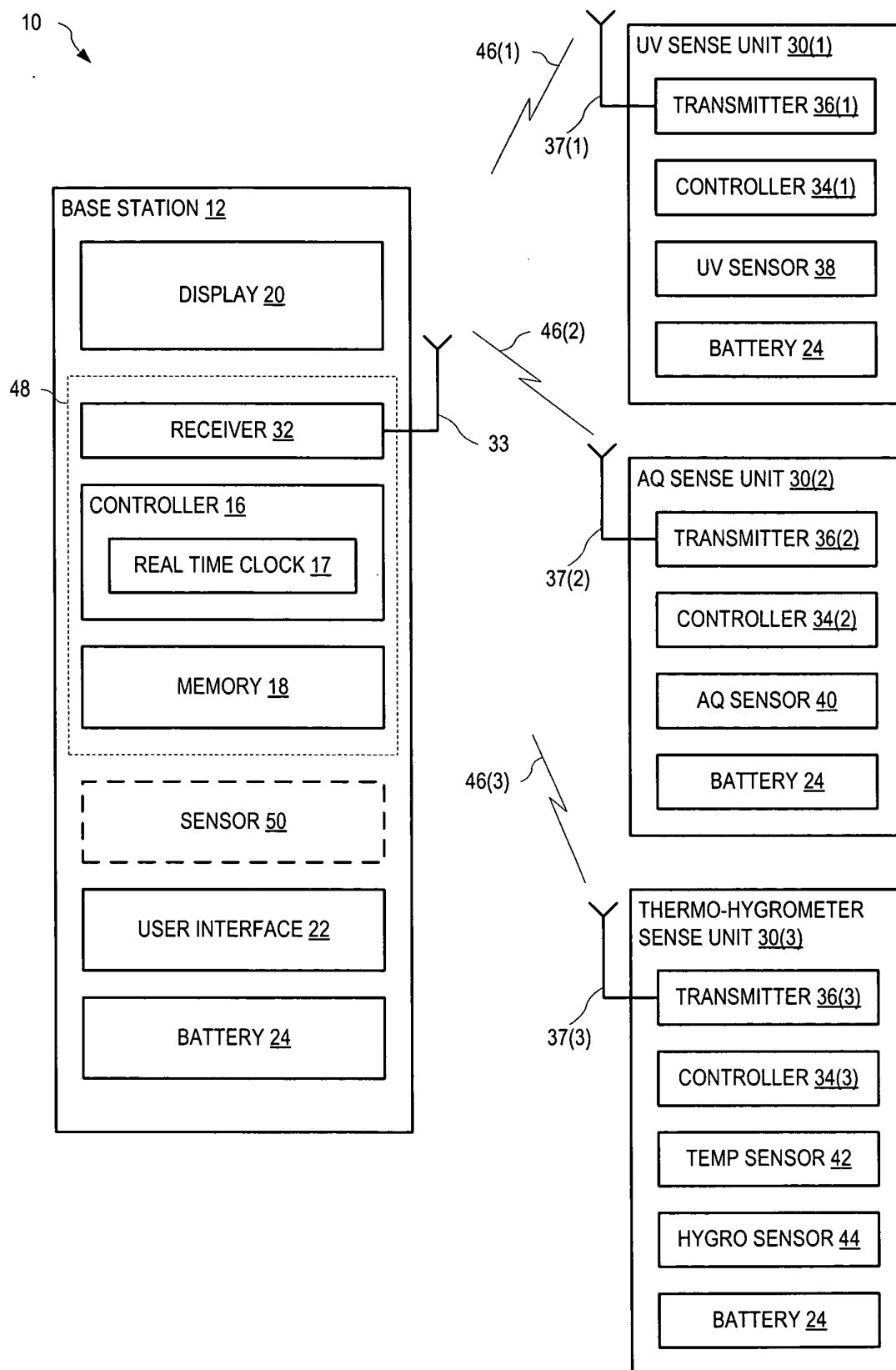
Family 38/50 - FAMPAT - ©Questel

Title

(EP1538464)

Weather sensing station and associated methods

Images



Publication data including kind & date

EP1538464

A1 2005-06-08

EP1538464

US20050151656

A1 2005-07-14

US20050151656



Abstract

(EP1538464)

In one embodiment, a weather sensing station includes one or more remote **wireless** sense units for sensing **environmental** conditions. A base station processes **wireless** signals from the **wireless** sense units and indicates the **environmental** conditions. A running **display** string may be used to **display** the data on a **display** string of the base station. **Wireless** sense

units may include an air quality sense unit and, for example, a **UV sensor**. Air quality information and **UV** energy information may then be determined and **displayed** as data or indicated through graphical symbols. <IMAGE>

Inventors

YUEN WAI MAN

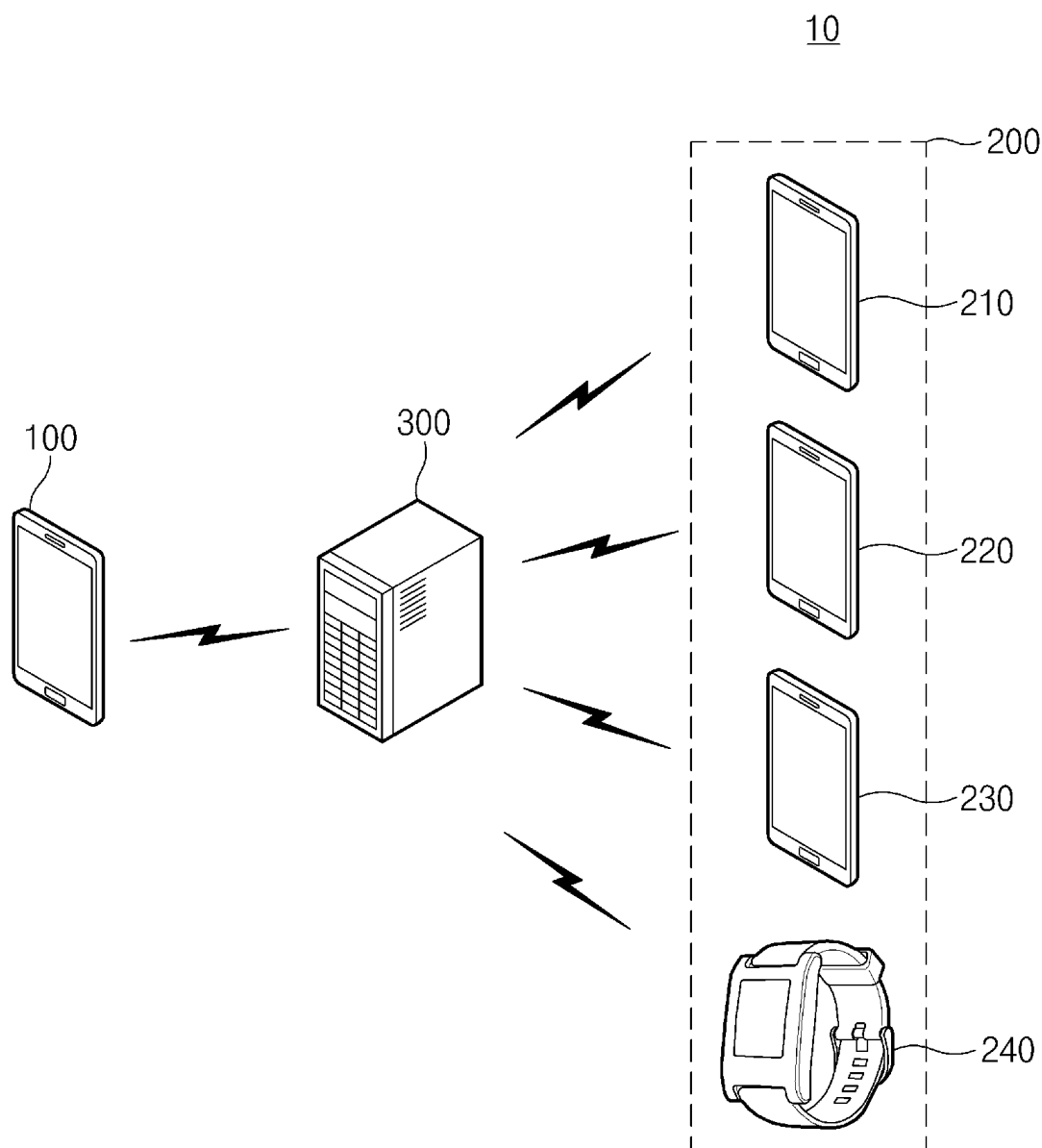
Latest standardized assignees - inventors removed

EWING INDUSTRIES MACAO COMMERCIAL OFFSHORE

Family 39/50 - FAMPAT - ©Questel

Title

(EP2938052)

Electronic device and method for providing **environment** information**Images****Publication data including kind & date**

US20150292920	A1	2015-10-15	US20150292920
WO2015156623	A1	2015-10-15	WO2015156623
KR20150117467	A	2015-10-20	KR20150117467
EP2938052	A1	2015-10-28	EP2938052
US10168190	B2	2019-01-01	US10168190



Abstract

(EP2938052)

A method and an electronic device for providing **environment** information are provided. The electronic device includes a **sensor** configured to **measure** an external **environment** and obtain first data based on the **measured** external **environment**, a communication module configured to receive, from at least one external electronic device, second data obtained by the at least one external device, a processor configured to generate **environment** information by using the first data and the received second data received, and an output module configured to output the **environment** information.

Inventors

LEE SANG HOON

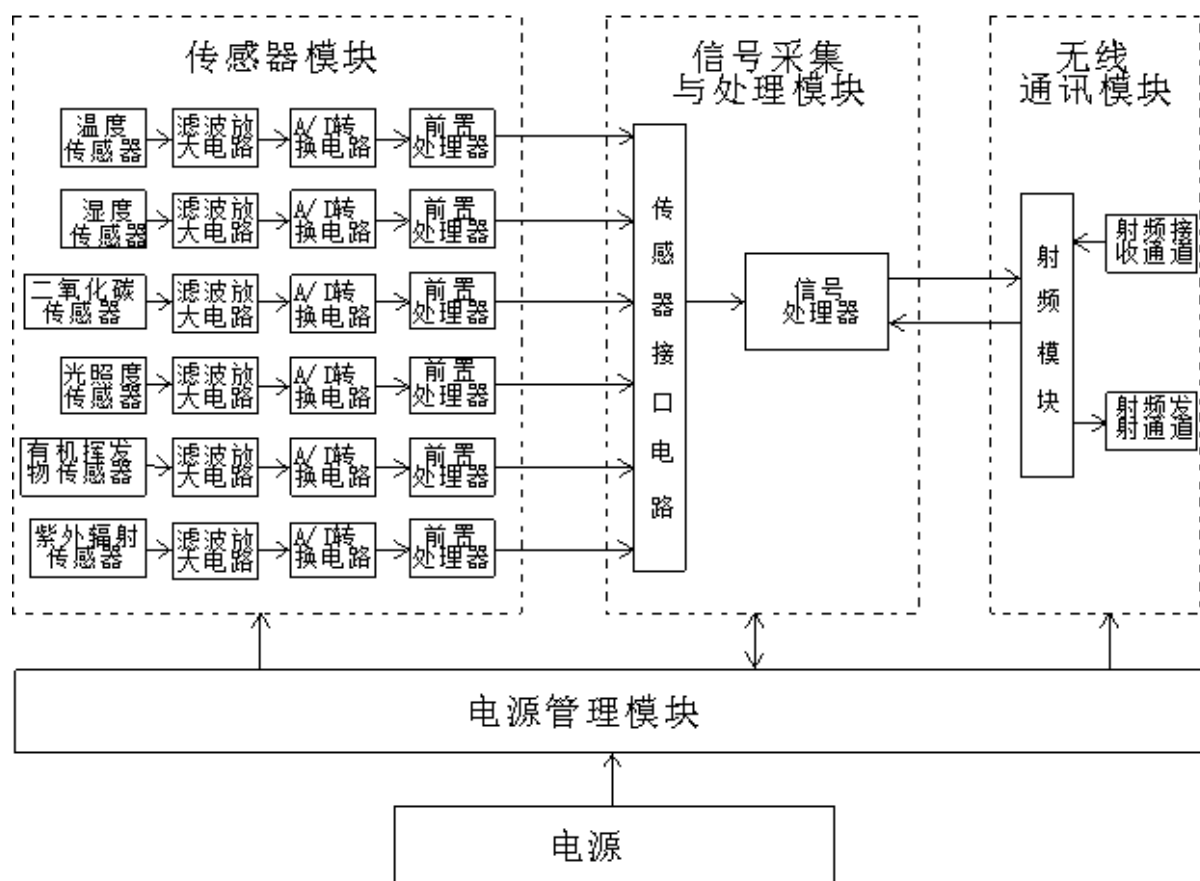
Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

Family 40/50 - FAMPAT - ©Questel

Title

(CN105466492)

Monitoring terminal of multi-applicability museum cultural relic preservation **environments****Images****Publication data including kind & date**

CN105466492

A

2016-04-06

CN105466492

**Abstract**

(CN105466492)

The invention discloses a monitoring terminal of multi-applicability museum cultural relic preservation **environments**. The terminal comprises a **sensor** module, a signal collection and processing module, a **wireless** communication module, a power source and a power source management module, wherein the signal collection and processing module comprises a **sensor** interface circuit and a signal processor; the **sensor** interface circuit is connected to the signal processor; the signal processor is connected to the **wireless** communication module; the power source is connected to the power source management module; and the **sensor** module, the signal collection and processing module and the **wireless** communication

module are powered by the power source management module. The monitoring terminal disclosed by the invention has the advantages of applicability to monitoring of various **environments**, low energy consumption, convenient maintenance and low utilization cost.

Inventors

WANG LU

YANG JING

MA JINYI

FANG XIN

ZHANG ZUWEI

HU YANG

WANG DENG PAN

ZHENG ZEYU

HOU ZHENDI

LI GUOHUA

WU WEIQIN

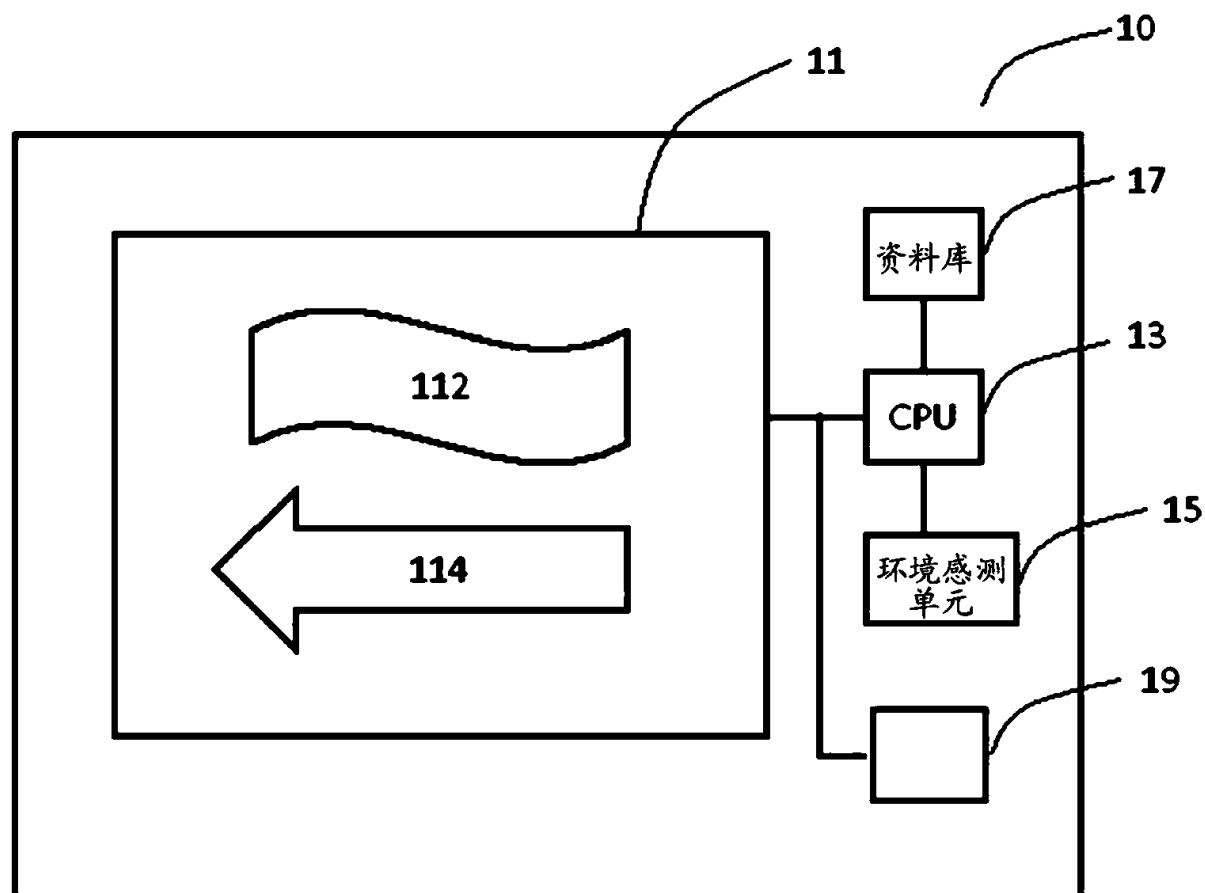
Latest standardized assignees - inventors removed

CHINA ELECTRONICS TECHNOLOGY

Family 41/50 - FAMPAT - ©Questel

Title

(CN204926058U)

Sensing guide **display** system**Images****Publication data including kind & date**[CN204926058](#)

U

2015-12-30

CN204926058U

[TWM520683](#)

U

2016-04-21

TWM520683

**Abstract**

(CN204926058U)

The utility model provides a sensing guide **display** system, be used for providing the effect that reaches the guide place masses when the disaster takes place fast, it includes a **display screen**, a processing apparatus, an **environment sensory** unit, an and database, wherein this **environment sensory** unit is used for responding to an **environment** state and conveying to an electronics message to this processing apparatus that should the **environment** state, this processing apparatus one predetermines the threshold value and compares what store in this electron message and this database, and whether show according to this **display screen** of this comparison result decision and to direct the image.

Inventors

LI DAYONG

Latest standardized assignees - inventors removed

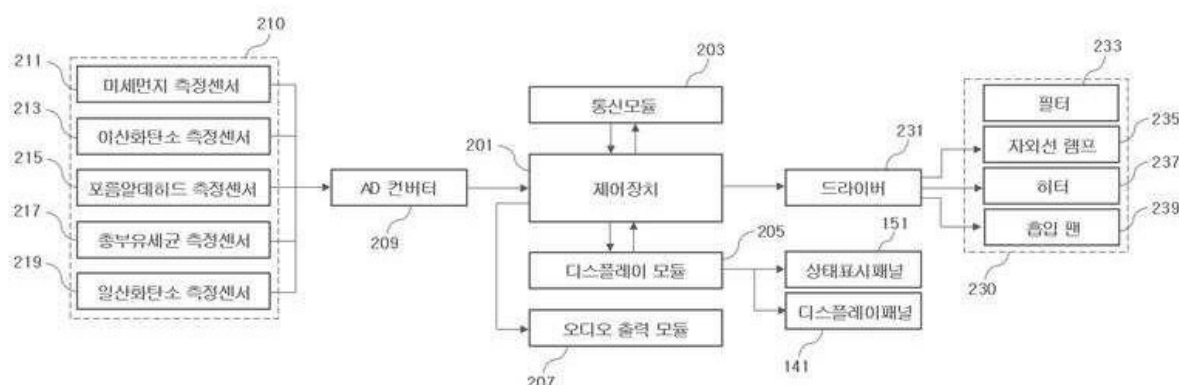
LI YONG

Family 42/50 - FAMPAT - ©Questel

Title

(KR20160149565)

Electrical noticeboard for posting air pollution level

Images**Publication data including kind & date**

KR20160149565

A

2016-12-28

KR20160149565

**Abstract**

(KR20160149565)

According to the present invention, disclosed is an **environment** noticeboard for posting a notice and purifying air corresponding to an air contamination state. The **environment** noticeboard according to the present invention is installed in a classroom or a public place to **measure** air contamination and provide notice information. The **environment** noticeboard comprises: a vertical **display** unit including a state **display** panel for **displaying** an operation state and an air contamination **measurement** result of a system, a **display** panel for providing guide information in a text form, a broadcasting panel for providing a class guide broadcast, or performing sound output, a posting panel for posting an offline notice by physically attaching the offline notice; and an air purifying unit including a table diagonally protruding in the bottom end of the **display** unit and having a transmitting hole for discharging purified air, an air purifying device extended to the bottom of the table, and a cover for accommodating a system operating device. The system operating device comprises a **sensor** unit for **measuring** air contamination, controls an operation of the air purifying device on the basis of an output value of the **sensor** unit, and provides the notice information set by a predetermined dealing message and a manager to the **display** panel.

Inventors

PARK JEE YUNE

HWANG BOK DEUK

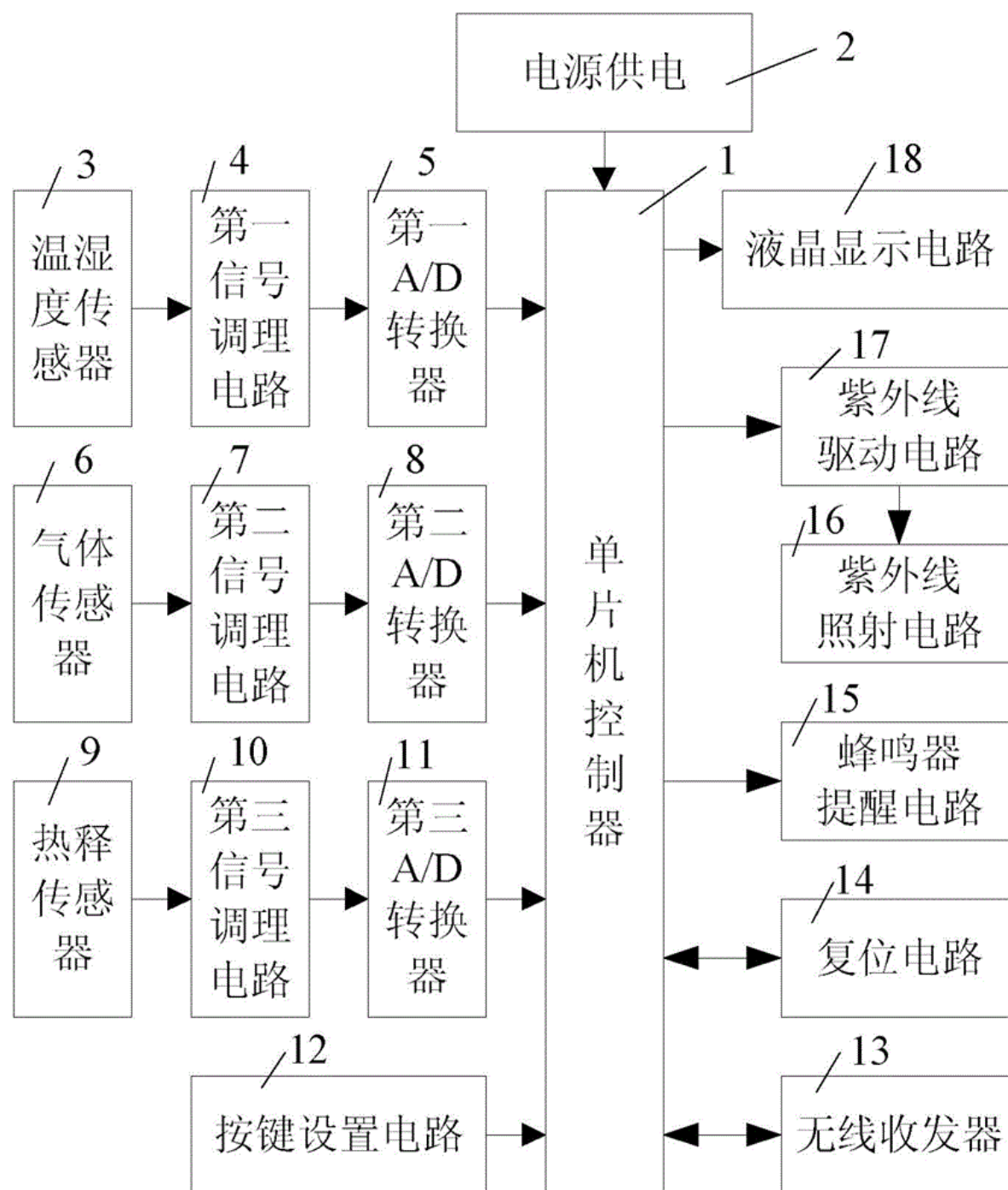
Family 43/50 - FAMPAT - ©Questel

Title

(CN105780418)

Clothes hanger device for **ultraviolet** sterilization in wardrobe

Images



Publication data including kind & date

CN105780418

A 2016-07-20 CN105780418



Abstract

(CN105780418)

The invention discloses a clothes hanger device for **ultraviolet** sterilization in a wardrobe. The device comprises a single chip microcomputer controller, a power supply, a reset circuit, a **wireless** transceiver and a data collection module, wherein an input end of the single chip microcomputer controller is connected to a key setting circuit, an output end of the single chip microcomputer controller is connected to a liquid crystal **display** circuit, a buzzer reminding circuit and an **ultraviolet** drive circuit, and an output end of the **ultraviolet** drive circuit is connected to an **ultraviolet** irradiation circuit; the data collection module comprises a **temperature** and **humidity sensor**, a first signal conditioning circuit, a first A/D converter, a gas **sensor**, a second signal conditioning circuit, a second A/D converter, a pyroelectric **sensor**, a third signal conditioning circuit and a third A/D converter; and the first A/D converter, the second A/D converter and the third A/D converter are connected to the input end of the single chip microcomputer controller. The device disclosed by the invention has the

advantages of novel design, a simple structure, convenient sterilization and abnormal smell removal, high safety and cleanness, and high practicability.

Inventors

SUN YINYIN

Latest standardized assignees - inventors removed

XI AN TEKTONG DIGITAL TECHNOLOGY

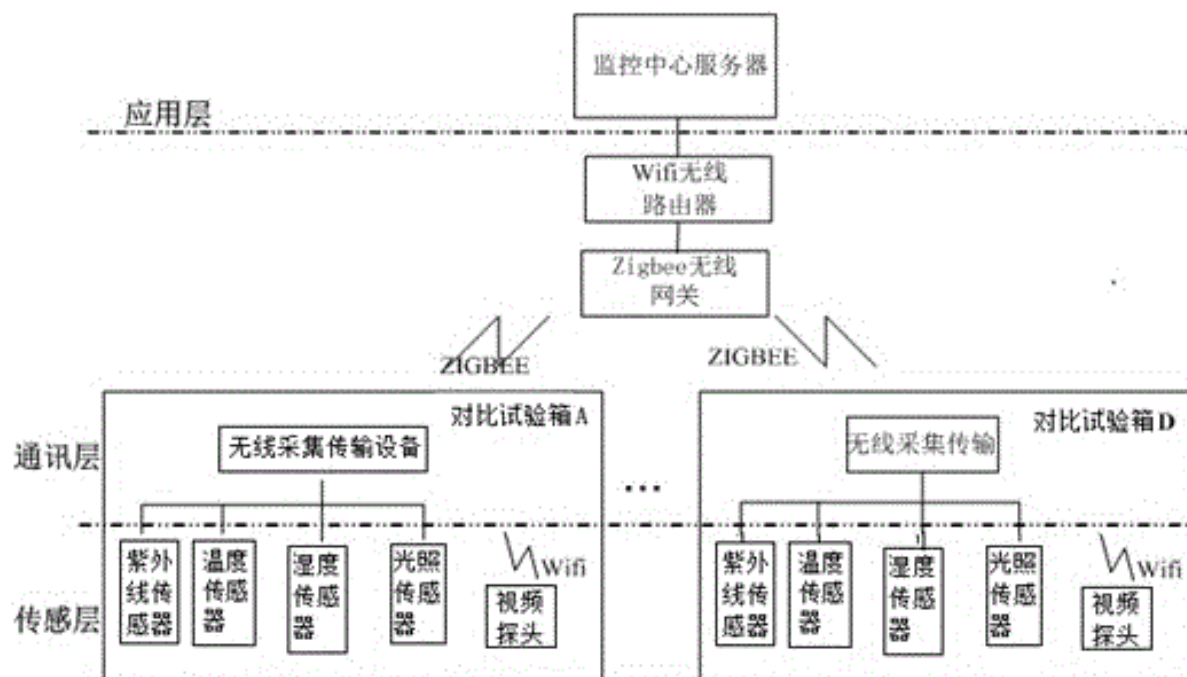
Family 44/50 - FAMPAT - ©Questel

Title

(CN105824340)

Agricultural seedling growing system

Images



Publication data including kind & date

CN105824340

A

2016-08-03

CN105824340



Abstract

(CN105824340)

The invention provides an agricultural seedling growing system based on Internet of Things. The system includes an application layer, a communication layer, and a sensing layer. The application layer is a monitoring center work server. The communication layer includes a Wifi **wireless** router and a zigbee **wireless** gateway. The sensing layer is installed and distributed with a contrast test box. The sensing layer includes a **temperature sensor**, a **humidity sensor**, an illumination **sensor**, an **ultraviolet ray sensor**, and a video probe. The monitoring center work server is connected to the zigbee **wireless** gateway through the Wifi **wireless** router. According to the invention, the system utilizes the Internet of Things to construct a system for monitoring growing **environment** of rare and precious seedlings, and through the adjustment of different **environment** parameters in the processing seedling growing, tests influence on the seedling growing by the **environmental** parameters, and acquires the best growth parameter of dendrobe seedlings on the basis of a certain selecting tests. The whole system simulates the growing states of dendrobes under natural states, and does not require long time manual control and interference.

Inventors

DING DEDING

Latest standardized assignees - inventors removed

ANHUI RUANSHEN SOFTWARE DECLARATION SERVICE

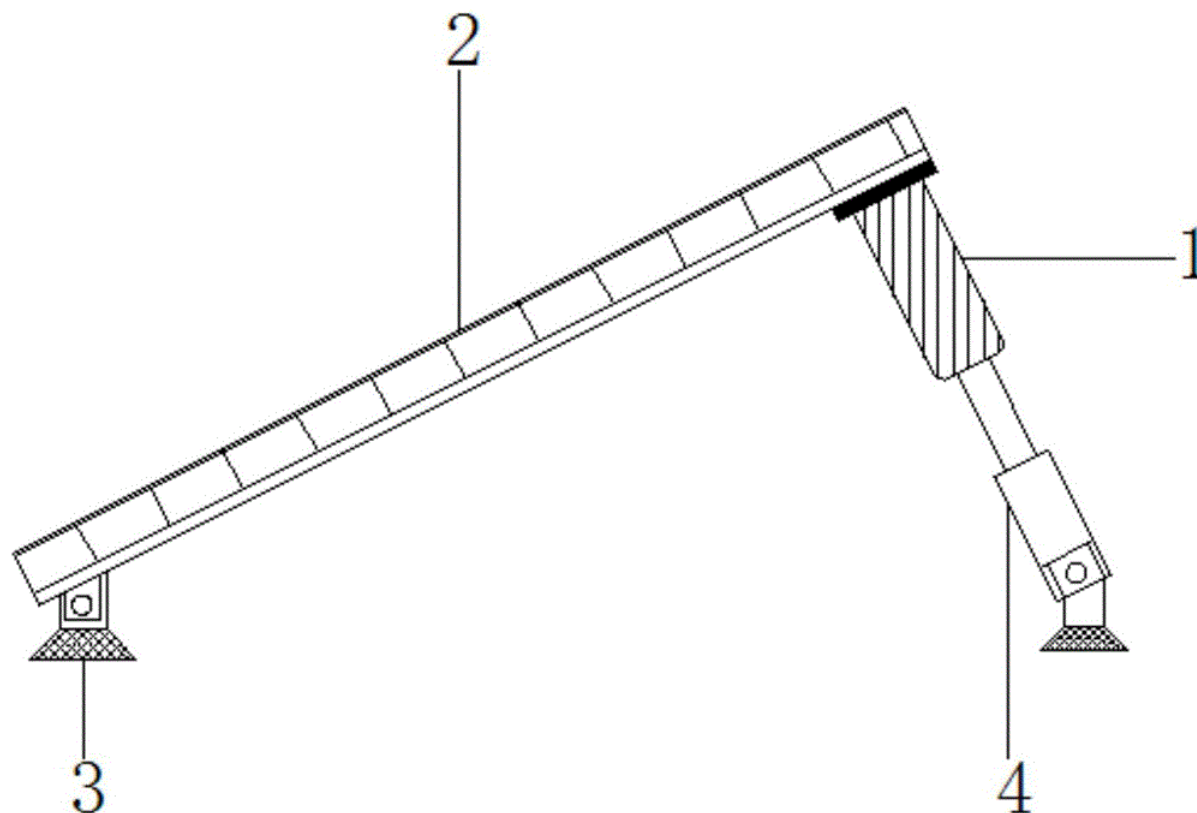
Family 45/50 - FAMPAT - ©Questel

Title

(CN206162838U)

Portable air quality detection alarm device

Images



Publication data including kind & date

[CN206162838](#)

U

2017-05-10

CN206162838U



Abstract

(CN206162838U)

The utility model discloses a portable air quality detection alarm device, including detector body, solar photovoltaic board, telescopic bracket and singlechip, the bottom of detector body is equipped with telescopic bracket, the bottom side of solar photovoltaic board is equipped with sure -grip, telescopic bracket's bottom is equipped with sure -grip, the front of detector body is equipped with the **display screen**, the top of **display screen** is equipped with the alarm, the bottom of **display screen** is equipped with function button, the back of detector body is equipped with bottom air current hole, the top of detector body is equipped with top air current hole, fixed mounting has **UV sensors**, **temperature** and **humidity sensor** and a PM. **Sensor** in the inner chamber of detector body, the input of radio signal receiving ware is connected with the singlechip. This portable air quality detection alarm device is sustainable to monitor **environmental** quality to realize **measured** data's real time transport through the radio signal receiving ware, have higher ageingly.

Inventors

LIANG WEIHONG

LIANG GUANGWEI

ZHOU XIANGPING

Latest standardized assignees - inventors removed

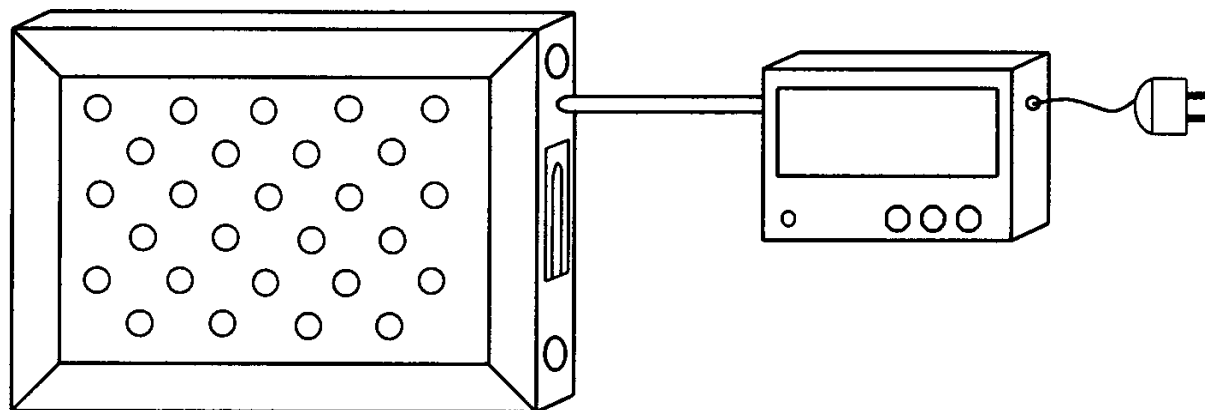
GUANGDONG ZHONGXIEHE DETECTION

Family 46/50 - FAMPAT - ©Questel

Title

(CN202497498U)

Ultraviolet sterilizing and dehumidifying device for intelligent home

Images**Publication data including kind & date**

CN202497498

U

2012-10-24

CN202497498U

**Abstract**

(CN202497498U)

The utility model discloses an **ultraviolet** sterilizing and dehumidifying device for intelligent home, which is an automatic control device for dehumidifying and sterilizing a home **environment**. The **ultraviolet** sterilizing and dehumidifying device for intelligent home comprises a cuboid-shaped housing, a **display** control module, an **ultraviolet** sterilization module, a heating and dehumidifying module, a humidity **sensor** module and an infrared remote control, wherein the heating and dehumidifying module is arranged in an inner cavity of the housing, the **ultraviolet** sterilization module and the humidity **sensor** module are arranged on two sides of the housing, the **display** control module comprises a current foldback circuit, an automatic alarm circuit, a heating and dehumidifying drive circuit, a power supply circuit, a liquid crystal **display screen** and an indicator lamp, an infrared receiving circuit and an automatic control circuit, and the infrared remote controller carries out **wireless** operation and control on the **display** control module. The **ultraviolet** sterilizing and dehumidifying device for intelligent home can be used for automatically drying, dehumidifying and sterilizing the placed home **environment**, has functions of automatic powering off and remote controlling, and is convenient for use.

Inventors

WEN HE

QIAN XINRAN

LI BIAO

Fu Liu Qiang

ZHANG KAIXUAN

ZHENG QIANQIAN

SHI HAIQING

WANG WENTIAN

Latest standardized assignees - inventors removed

HUNAN UNIVERSITY

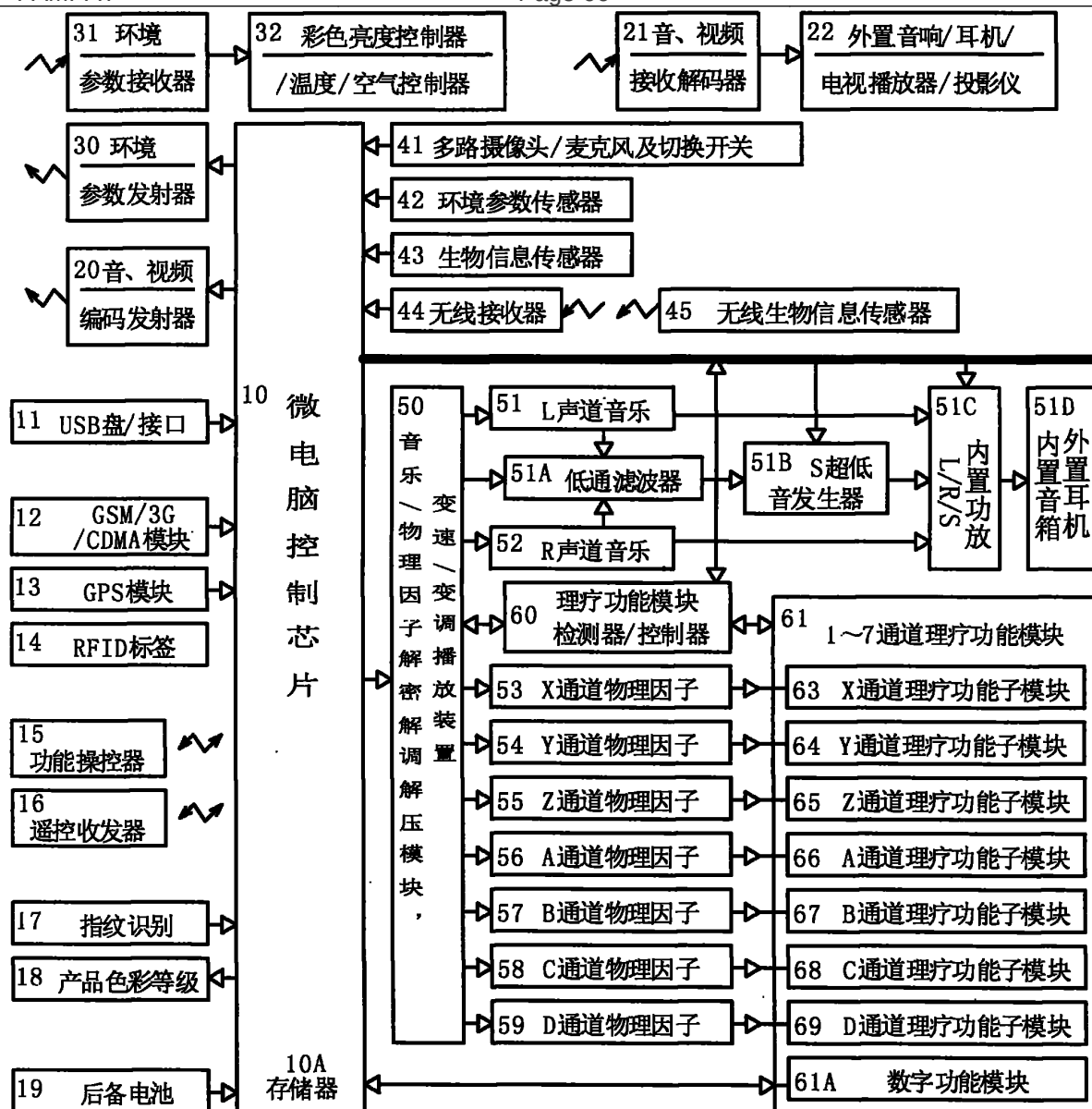
Family 47/50 - FAMPAT - ©Questel

Title

(CN101934111)

Music chromatic light physical factor physical and mental health system based on computer

Images



Publication data including kind & date

CN101934111	A	2011-01-05	CN101934111
CN102430181	A	2012-05-02	CN102430181
CN102441220	A	2012-05-09	CN102441220
CN102441221	A	2012-05-09	CN102441221
CN102441220	B	2013-09-04	CN102441220B
CN102441221	B	2013-09-04	CN102441221B



Abstract

(CN101934111)

The invention relates to a music chromatic light physical factor physical and mental health system based on a computer. The physical and mental health system integrates the physical treatment function based on the physiological body treatment by physical treatment, the mental treatment function based on the psychological treatment by music treatment and the fundamental treatment function based on Chinese traditional meridian point treatment and adds chromotherapy to **environmental** parameter treatment so as to reach the physical, mental and fundamental treatment at the same time and embody the new biological-psychological-social medical mode, thereby being a brand-new non-drug treatment mode. By converging a positioning technology and an Internet technology, a medical health network system is convenient to establish, instantly detects the therapy effects by utilizing a biological information **sensor**, creates an activity **environment** of system users into a scientific **environment** by utilizing an **environmental** parameter **sensor**, integrates a plurality of physical factors into the same physical therapy module and can select one or a plurality of physical factors for simultaneous therapy so as to ensure the curative effect. Remote monitoring can be realized by utilizing a biological

information detection/ **environmental** monitoring module, the Internet technology and a multi-path camera/microphone of the system.

Inventors

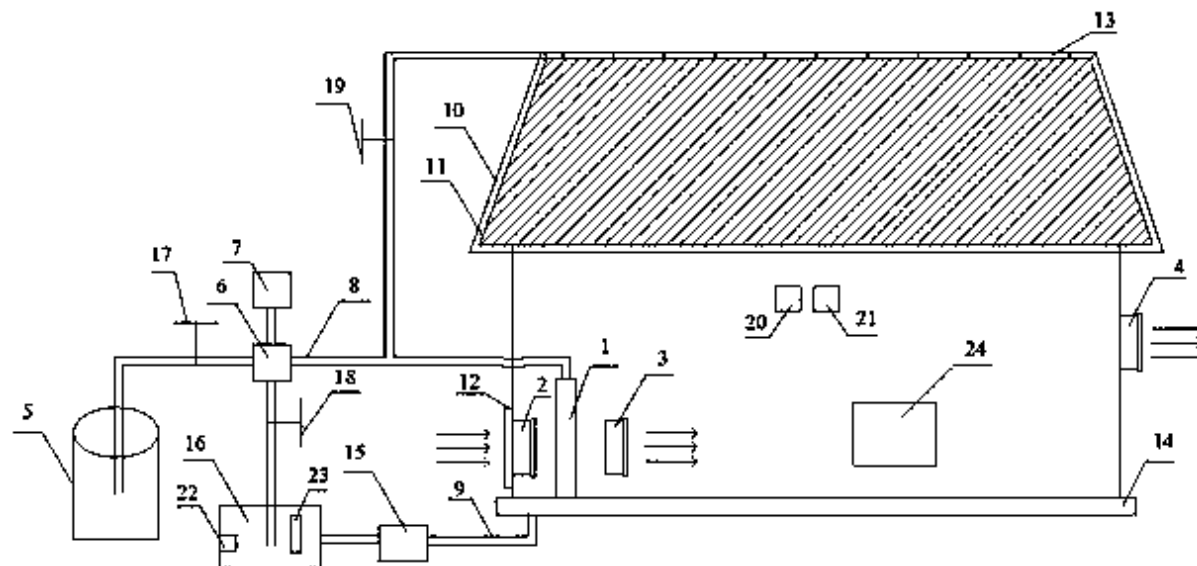
LI LONG

Family 48/50 - FAMPAT - ©Questel

Title

(CN205052256U)

Edible mushroom cultivation uses intelligent cooling greenhouse

Images**Publication data including kind & date**

CN205052256

U

2016-03-02

CN205052256U

**Abstract**

(CN205052256U)

The utility model relates to an agricultural greenhouse's technical field discloses an edible mushroom cultivation uses intelligent cooling greenhouse. Intelligence cooling greenhouse includes cascade, first fan, second fan, third fan, return water pond, a **temperature sensor**, the 2nd **temperature sensor**, **humidity** transducer, level **sensor** and controller. A **temperature sensor**, **humidity** transducer set up in the inside of big -arch shelter, the 2nd **temperature sensor**, level **sensor** set up in the return water pond, the controller is connected with a **temperature sensor**, the 2nd **temperature sensor**, **humidity** transducer, level **sensor** respectively. The utility model discloses structural design is simple, can carry out real - time supervision to the **temperature** and **humidity** of big -arch shelter inside to have the intelligent regulation function, ensure the domestic fungus and grow in the best ambient condition, the quality and the output of improvement domestic fungus.

Inventors

YIN YUELIANG

XIA SHIWEN

Latest standardized assignees - inventors removed

ZHUZHOU LIANGXIANHE MUSHROOM ECOLOGICAL TECHNOLOGY

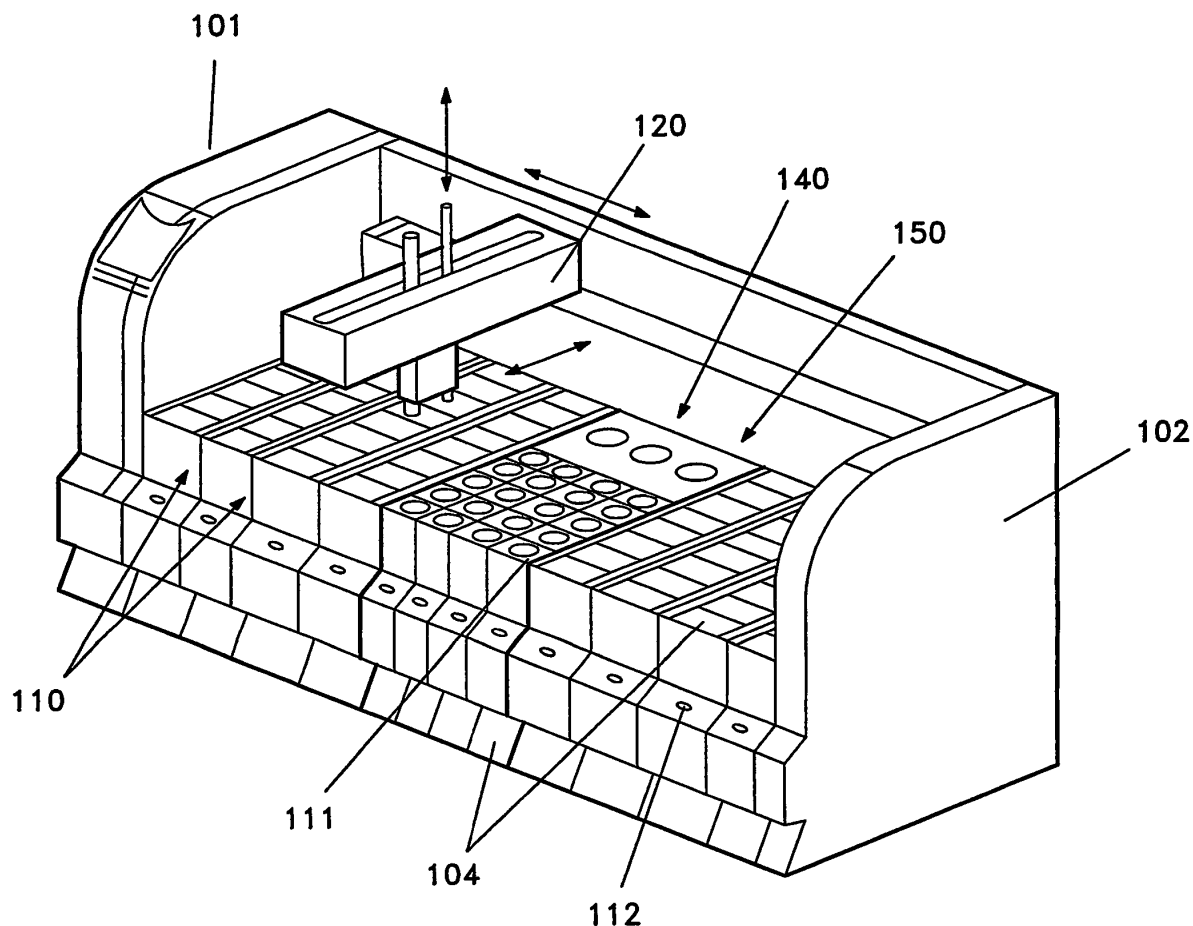
Family 49/50 - FAMPAT - ©Questel

Title

(EP1579194)

Enhanced scheduling sample processing system and methods of biological slide processing

Images



Publication data including kind & date

WO2004057307	A1	2004-07-08	WO200457307
CA2508323	A1	2004-07-08	CA2508323
AU2003287895	A1	2004-07-14	AU2003287895
CA2974221	A1	2004-07-15	CA2974221
WO2004059288	A2	2004-07-15	WO200459288
WO2004059287	A2	2004-07-15	WO200459287
CA2508070	A1	2004-07-15	CA2508070
CA2508001	A1	2004-07-15	CA2508001
WO2004059441	A2	2004-07-15	WO200459441
WO2004059297	A1	2004-07-15	WO200459297
WO2004059284	A2	2004-07-15	WO200459284
WO2004058950	A1	2004-07-15	WO200458950
WO2004058404	A2	2004-07-15	WO200458404
CA2511032	A1	2004-07-15	CA2511032
CA2508370	A1	2004-07-15	CA2508370
CA2508113	A1	2004-07-15	CA2508113
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AU2003299740	A1	2004-07-22	AU2003299740
AU2003297369	A1	2004-07-22	AU2003297369



WO2004058404	A3	2004-09-10	WO200458404				
WO2004059284	A3	2004-11-25	WO200459284				
US20040266015	A1	2004-12-30	US20040266015				
WO2004059441	A3	2005-01-20	WO200459441				
WO2004059288	A3	2005-01-27	WO200459288				
WO2004059287	A3	2005-01-27	WO200459287				
US20050064535	A1	2005-03-24	US20050064535				
EP1573408	A2	2005-09-14	EP1573408				
EP1573312	A2	2005-09-14	EP1573312				
EP1573311	A2	2005-09-14	EP1573311				
EP1572979	A1	2005-09-14	EP1572979				
EP1573297	A1	2005-09-14	EP1573297				
EP1576376	A2	2005-09-21	EP1576376				
EP1579194	A2	2005-09-28	EP1579194				
EP1579190	A1	2005-09-28	EP1579190				
CN1726275	A	2006-01-25	CN1726275				
CN1726386	A	2006-01-25	CN1726386				
US20060045806	A1	2006-03-02	US20060045806				
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US20060085140	A1	2006-04-20	US20060085140				
US20060088940	A1	2006-04-27	US20060088940				
US20060088928	A1	2006-04-27	US20060088928				
US20060172426	A1	2006-08-03	US20060172426				
CN1955711	A	2007-05-02	CN1955711				
AU2003303444	B2	2008-05-01	AU2003303444				
US7400983	B2	2008-07-15	US7400983				
AU2008202863	A1	2008-07-24	AU2008202863				
CN100424166	C	2008-10-08	CN100424166C				
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EP1573408	A4	2011-10-12	EP1573408				
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EP1572979	A4	2011-10-19	EP1572979				
EP1576376	A4	2011-12-28	EP1576376				
EP1573311	A4	2011-12-28	EP1573311				

EP1579194	A4	2011-12-28	EP1579194				
EP1579190	A4	2011-12-28	EP1579190				
US8216512	B2	2012-07-10	US8216512				
US8257968	B2	2012-09-04	US8257968				
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US9778273	B2	2017-10-03	US9778273				
CA2508113	C	2017-10-31	CA2508113				

Abstract

(EP1579194)

A sample processing system (101) that may be automated and methods are disclosed where sample(s) (198) are arranged on a carrier element (197) and a process operation control system (171) automatically processes the sample(s) perhaps robotically according to an desired aggregation of event dictated by an input (173). Alteration of an initial aggregated event topology may be accepted while the system is processing an initial aggregation and varied-parameter robotic control simulation functionalities (606) may be accomplished to determine an enhanced sequence for processing. Suggested operator actions may be **displayed** that might further enhance the scheduling of the altered aggregated event topology together with an automatic operator need prompt (608) that may inform an operator of a need for a particular action in order to accomplish the desired tasks. Reversibility to proposed changes may be made available so that an operator may avoid having to activate proposed changes if they cause a processing result that is not acceptable.

Inventors

KEY MARC

FEINGOLD G

WELCHER ROSANNE

Latest standardized assignees - inventors removed

DAKO DENMARK

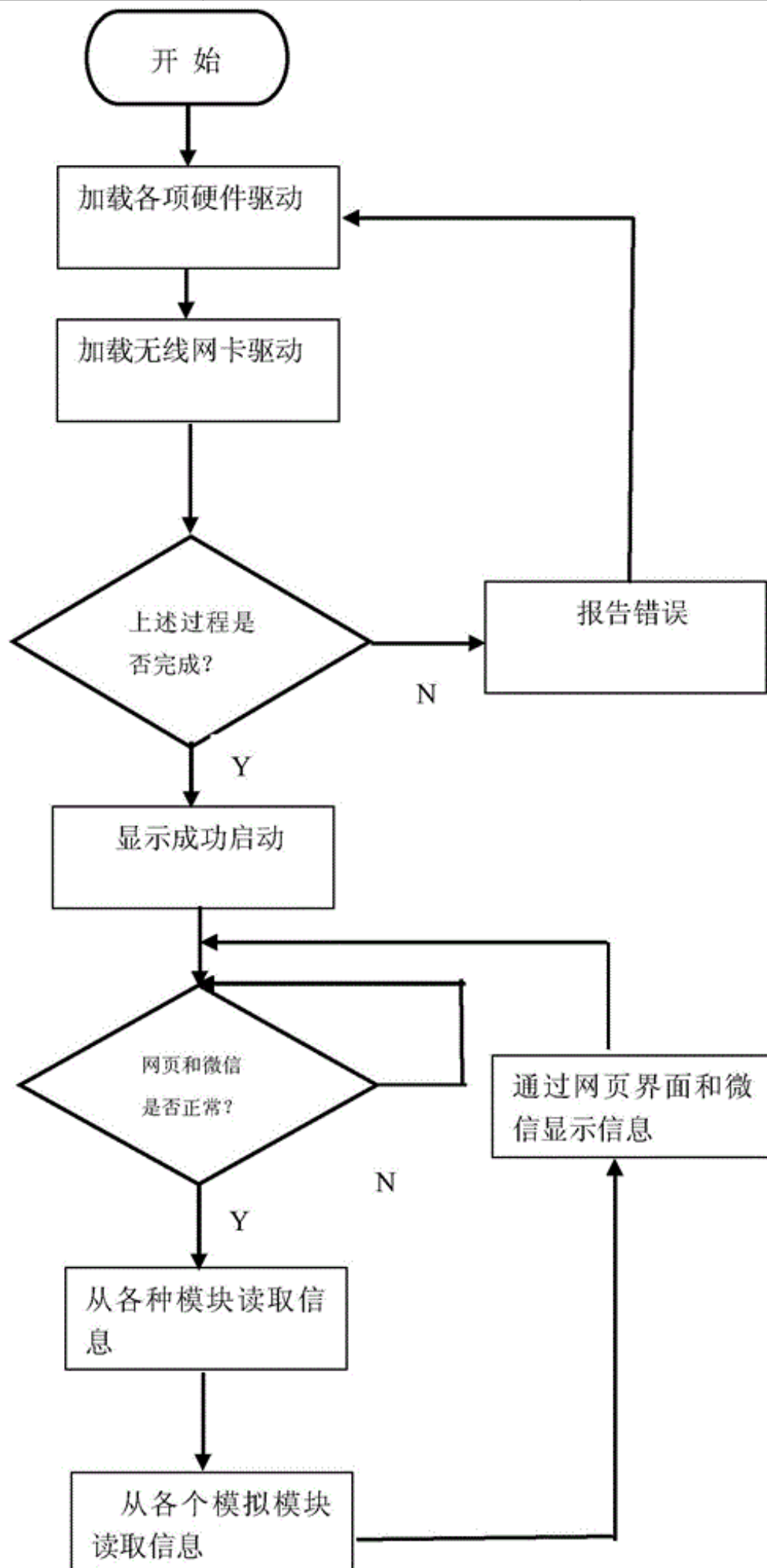
Family 50/50 - FAMPAT - ©Questel

Title

(CN106780068)

Agricultural smart robot system based on WeChat public platform and method thereof

Images



Publication data including kind & date

CN106780068

A

2017-05-31

CN106780068

**Abstract**

(CN106780068)

The invention discloses an agricultural smart robot system based on a WeChat public platform and a method thereof, and aims to solve the problems of particularity of the existed agricultural **environment**, technology limitation, low efficiency of the agricultural robot and high maintaining cost. The agricultural smart robot system based on the WeChat public platform comprises a soil **humidity sensor** module, a pressure **sensor** module, an **ultraviolet ray sensor** module, an ultrasound ranging module, a DTH11 **temperature** and **humidity sensor** module, a camera module, a **wireless** local area network card module, a power module, a flame control circuit module, a mechanical arm control circuit module, an irrigation control circuit module, a motor driving circuit module, a feed protection circuit module, a PC machine module, and a server module. The invention is applied to the field of the agricultural smart robot.

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