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Search: TAC=(drone and delivery and drug*)

Records: 34 (1-34 of 34)
Export type: Family Export

1. Family 87686714 (US2022055770 AA)

[View in PatBase](#)

Title

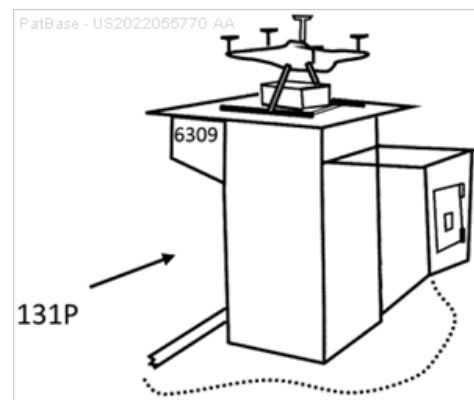
[EN] HOT AND COLD SECTION DRONE DOCKING STATION TEMPERATURE CONTROLLED DEVICE

Abstract

[EN] Disclosed herein is a drone docking station for deposit of items/goods delivered by a drone to a secured receptacle. Items can be delivered to a receptacle at a curb, mailbox, post, porch, mobile units, and window for a multi-parcel receptacle with a set of drawers with hot and cold sections in the station that has a specific residential/commercial address with various optional features. Features include communication systems between the station and drone; security; hot and cold temperature control and preservation of the goods before and after delivery; battery charging and exchange station; a collector to identify explosive materials, anthrax, etc.; ultraviolet system to eradicate disease, virus and harmful materials; an ozone applicator to eradicate disease, virus and harmful materials; weather monitoring; tag and track of vehicles and packages; facial recognition camera and software for pets and humans; and local two-way speakers; LED lights that strobe flash, and a flood light.

Probable Patent Assignee: OTOOLE DANIEL S

Earliest Publication Date: 20211028



2. Family 87686740 (US2021394930 AA)

[View in PatBase](#)

Title

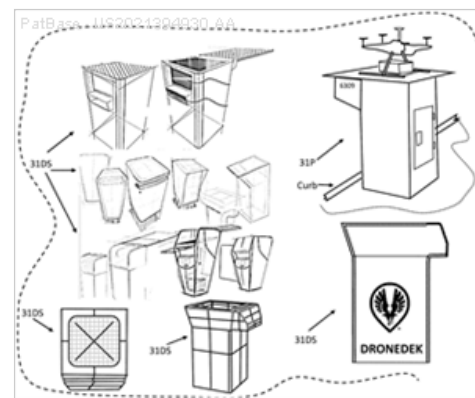
[EN] EXPANDING FLOOR/ ACCORDION DRONE DOCKING STATION

Abstract

[EN] Disclosed herein is a drone docking station for deposit of items/goods delivered by a drone to a secured receptacle. Items can be delivered to a receptacle at a curb, mailbox, post, porch, in-ground vault, and window to a multi-parcel receptacle with an expanding floor/accordion station that has a specific residential/commercial address with various optional features. Features include communication systems between the station and drone; security; hot and cold temperature control and preservation of the goods before and after delivery; battery charging and exchange station; a collector to identify explosive materials, anthrax, etc.; ultraviolet system to eradicate disease, virus and harmful materials; an ozone applicator to eradicate disease, virus and harmful materials; weather monitoring; tag and track of vehicles and packages; facial recognition camera and software for pets and humans; and local two-way speakers; LED lights that strobe flash, and a flood light.

Probable Patent Assignee: OTOOLE DANIEL S

Earliest Publication Date: 20211028



3. Family 69703812 (IN201831015229 A)

[View in PatBase](#)**Title**

[EN] DRONE BASED DELIVERY SYSTEM

Abstract

[EN] This invention relates to a drone-based delivery system and in particular, this invention relates to a drone-based delivery system which can serve the live saving drug for patients who need emergency medical attention within 2-3 minutes. More particularly, this present invention relates to the drone-based delivery system wherein there is UNIN (Unique Identification Number). Furthermore, this invention also relates to a drone-based delivery system which is simple to save lives saving time; the operation process is simplified and easier to accept by a patient.

Probable Patent Assignee: SHIV PRASAD MISHRA

Earliest Publication Date: 20180511

4. Family 79589095 (GB2594525 A1)

[View in PatBase](#)

Title

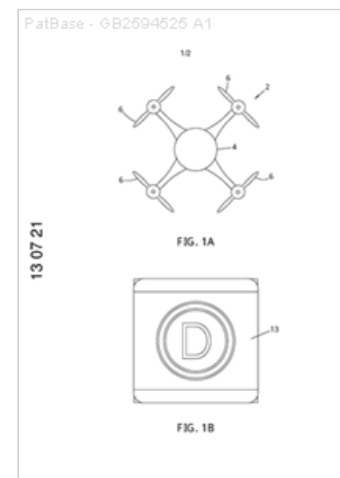
[EN] UNMANNED AERIAL VEHICLE

Abstract

[EN] A landing pad for a drone 2, comprising a generally planar pad, and a control unit providing encrypted communication with a drone as it comes in to land, proving the drone has arrived at the correct destination. The landing pad may allow a drone to exchange encrypted keys to verify the pad is the correct destination for enhanced security of package delivery (e.g. pharmaceutical drugs). The landing pad may contain visible markings, e.g. QR code optical encodings. A battery may be charged via an inductive charging coil when the drone has landed on the pad. An aerial drone having a GNSS receiver providing general navigational guidance and a radio or optical transponder communicating with a landing pad to provide detailed local navigation, once in the vicinity of the landing pad, and confirmation of the correct destination, before landing is disclosed. A radio network connection may pass UAV location information to server. A software application communicating with a server to determine aerial drone location and provide visual indication and/or early warning of an aerial drone's arrival is disclosed.

Probable Patent Assignee: MORGAN LAND SEA AND AIR LLP

Earliest Publication Date: 20211103



5. Family 86589777 (AU2021103791 AD)

[View in PatBase](#)

Title

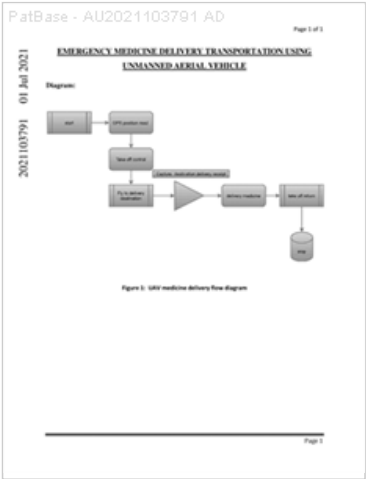
[EN] EMERGENCY MEDICINE DELIVERY TRANSPORTATION USING UNMANNED AERIAL VEHICLE

Abstract

[EN] EMERGENCY MEDICINE DELIVERY TRANSPORTATION USING UNMANNED AERIAL VEHICLE Abstract: Unmanned aerial vehicles (UAVs) can swiftly, safely, and cost-effectively deliver products via accessible and inaccessible lands such as mountain climbers or boats on board. Unmanned air vehicles are capable. Both land transportation and aircraft, both fixed and rotor wings, are usually provided for medical supplies. Blood products and medicines in critical access hospitals typically have a restricted availability during crises, and normal supply routes may be interrupted. This invention seeks to design the possibility of transporting medicinal goods to areas affected by the epidemics using tiny UAVs. Drown flew from the base to a predetermined place of delivery. The drone was guided back to base by the operator after the successful delivery of the medicine. The future improvements to the drone model include an on-board computer program and a GPS unit for the facial identification system to check recipients before delivery, autopilot drones control, a real-time picture and video relay/transmission back to control stations, and an autonomous drug delivery without physical contact from the recipient. Page 1 of 1 EMERGENCY MEDICINE DELIVERY TRANSPORTATION USING UNMANNED AERIAL VEHICLE Diagram: Figure 1: UAV medicine delivery flow diagram Page 1

Probable Patent Assignee: ISHWARYA KR

Earliest Publication Date: 20210819



6. Family 99075267 (CN308231931 S)

[View in PatBase](#)

Title

[MT] Drone (drug delivery)

Abstract

[MT] 1. This design product name: Drone (drug delivery). 2.The purpose of this design product: UAV used to transport medicines or small items. 3. The design of this design product is the main point: In the shape. 4.Picture or photo that best indicates the main point of the design: Stereo.

Probable Patent Assignee: YANTAI NANSHAN UNIV

Earliest Publication Date: 20230919



7. Family 99607575 (IN202341068584 A)

[View in PatBase](#)

Title

[EN] A DESIGN OF AN IOT-BASED MEDICINE CASE FOR MULTI-USER MEDICATION MANAGEMENT USING A DRONE IN AN ELDERLY CENTER

Abstract

[EN] The aging community has its own set of needs, challenges, and habits. The elderly in care homes require dependable medication services due to geriatric problems. However, inadvertent and overdosed medicine ingestion caused by pharmaceutical mismanagement may cause them complications. In addition, any neglect or delay in medicine delivery by caregivers or family members may risk the elderly's drug safety. The purpose of this study is to create a drug Management System (MMS) that uses drones to control drug mismanagement and automate medicine replenishment tasks. In this instance, the researchers created a pharmaceutical case design that makes use of the Internet of Things (IoT) to assist many users. Medication is administered at the institutional level. The drone is used in a targeted delivery approach to replenish medicine after it has been used by senior residents for drug replenishment. As a result, MMS enhances medication administration and automates drug dispensing in nursing homes. As a result, the proposed approach facilitates the elderly's adoption of cutting-edge IoT technology.

Probable Patent Assignee: MALLA REDDY ENGINEERING COLLEGE

Earliest Publication Date: 20231027

8. Family 84618807 (IN202141016307 A)

[View in PatBase](#)

Title

[EN] DELIVERY OF ESSENTIAL MEDICINES BY DRONES IN HILLY AREAS

Abstract

[EN] Access to life-saving and vital health goods is hindered in the developed and developing world by what is known as the last-mile dilemma - the failure to provide the medicine/blood needed from a city to rural or remote areas due to insufficient facilities for transportation, connectivity, or supply chain. A national drone delivery system needs to be developed to bring urgent drugs to patients in need in Hilly and inaccessible areas to address this accessibility issue. The team wants to develop a drone that can produce up to 2.0 kilogrammes per flight of vital medical products/blood while preserving the cold chain if necessary - in an estimated fulfilment period of 30 minutes. It should also be available in emergencies and areas vulnerable to disasters.

Probable Patent Assignee: G PREMALATHA

Earliest Publication Date: 20210423

9. Family 24677207 (US2004158350 AA)

[View in PatBase](#)

Title

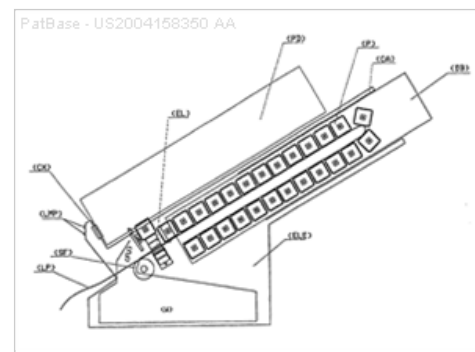
[EN] MEDICINE DISPENSER

Abstract

[EN] The present invention relates to the art of dispensing medicine to a user of medicine, and relates in particular to a medicine dispenser for dispensing doses of medicaments, a loader for loading doses of medicine into the medicine dispenser, a medicine distribution box, a packing device for packing medicaments in predefined doses, a Central Medication Database and a system comprising all these objects. Furthermore, the invention relates to a method of dispensing doses of medicaments, a method of loading medicine into a medicine dispenser, a method of distributing medicine, a method of packing medicaments in predefined doses, a method of carrying out various aspects related to dispensing medicine as well as a method integrating all the above mentioned methods.

Probable Patent Assignee: E MEDICATION APS

Earliest Publication Date: 20021121



10. Family 62457269 (US2016144358 AA)

[View in PatBase](#)

Title

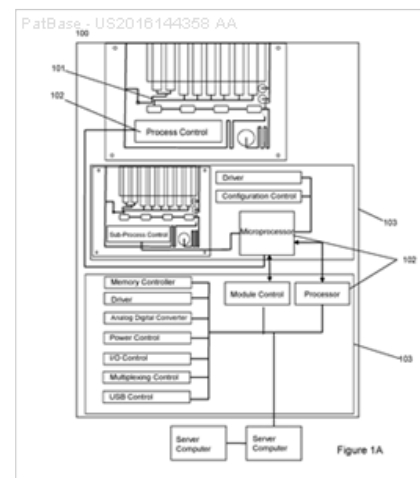
[EN] DYNAMIC LAB ON A CHIP BASED POINT-OF-CARE DEVICE FOR ANALYSIS OF PLURIPOTENT STEM CELLS, TUMOR CELLS, DRUG METABOLITES, IMMUNOLOGICAL RESPONSE, GLUCOSE MONITORING, HOSPITAL BASED INFECTIOUS DISEASES, AND DRONE DELIVERY POINT-OF-CARE SYSTEMS

Abstract

[EN] The invention provides for a novel dynamically configurable point-of-care device for clinical diagnostics and research for analysis of activity associated with pluripotent stem cells, tumor cells, drug metabolites, immunological response, glucose monitoring, cardiovascular diseases, liver cell therapy, cell-cell signaling, epidemic outbreaks, hospital based infectious diseases, pathogens, germ cells, pharmacological compounds, oxidation reduction, microscopy, tomography, flow cytometry, clinical lab testing, and for providing immunoassays, ELISA, electrophoresis, PCR, chromatography, and other laboratory functions. The device comprises a biochemical processing module further comprising a processor and at least one controller, receiving microfluidic elements, sensors, software scripts, an electrically operated interface, flow ports, a user interface, memory, and a communications link, configurable based on analysis of patient data. The invention further provides for multiple-criteria decision analysis for hospital administrators, a wearable device, mobile medical device, molecular electronics configuration, touchscreen recognition, data analytics application, and a drone delivery based point-of-care system.

Probable Patent Assignee: PATEL NILESH

Earliest Publication Date: 20160526



11. Family 97694142 (CO20220007893 A1)

[View in PatBase](#)

Title

[MT] METHOD FOR THE DELIVERY OF DRUGS USING A PROGRAMMABLE DRONE

Abstract

[MT] A method of distribution and delivery of drugs with drones, from the validation of an application to the delivery of the drug at the point of delivery, by carrying out tests for the establishment of aerial bridges between a headquarters for distribution of drugs and points of delivery. It seeks a reduction in delivery times and an improvement in the reliability of the shipping System, which would involve for now only the delivery of medicines for clinical use, some of which require to be kept refrigerated and delivered urgently.

Probable Patent Assignee: CURE PEREIRA AND CIA JUAN CUPER S EN C

Earliest Publication Date: 20230609

12. Family 66416062 (CN106965932 A)

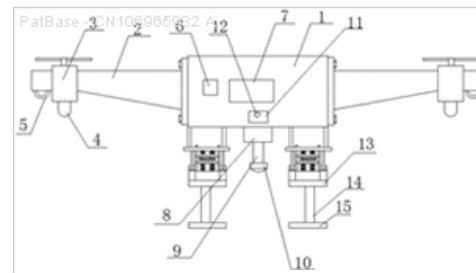
[View in PatBase](#)

Title

[EN] INTELLIGENT PLANT PROTECTION DRONE

Abstract

[EN] The invention discloses an intelligent plant protection drone. The intelligent plant protection drone comprises a drug box and rotary wing supporting frames. A plurality of mounting plates are arranged on the outer side of the drug box, the rotor wing supporting frames are mounted on the drug box through the mounting plates, rotor wings are mounted at the outer ends of the rotary wing supporting frames, distance measuring sensors are arranged at the lower ends of the rotor wings, infrared cameras are arranged on the outer sides of the rotor wings, a route calculating meter and a master controller are arranged on the drug box, the distance measuring sensors, the infrared cameras, and the output end of the route calculating meter are all electrically connected with the input end of the master controller, a drug spraying pump is arranged at the lower end of the drug box, a drug delivery pipe is arranged at the output end of the drug spraying pump, a centrifugal nozzle is arranged at the lower end of the drug delivery pipe, a standard drug application controller is arranged on the lower portion of the outer side of the drug box, a GPS is arranged on the standard drug application controller, the standard drug application controller is connected with an electronic speed controller of the drug spraying pump through a signal line, and buffer devices are bilateral-symmetrically arranged at the lower end of the drug box. The intelligent plant protection drone is simple in structure, convenient to use, various in function, high in intelligence degree, and long in service life.



Probable Patent Assignee: HEFEI WISDOM DRAGON MACHINERY DESIGN CO LTD

Earliest Publication Date: 20170721

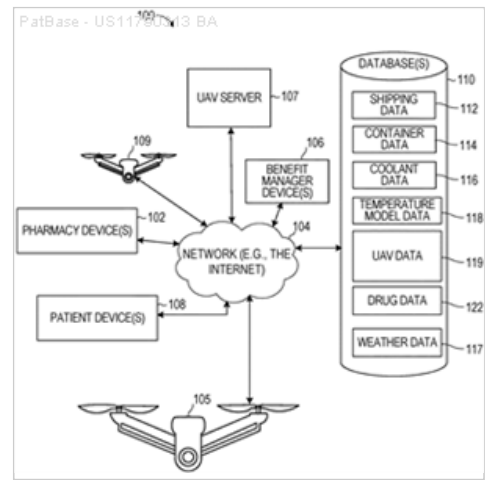
13. Family 99397968 (US11790313 BA)

[View in PatBase](#)

Title
[EN] UNMANNED AERIAL VEHICLE ITEM DELIVERY

Abstract
[EN] Methods and systems for item delivery using multiple unmanned aerial vehicles are provided. The methods and systems include operations comprising: obtaining, by a distance unmanned aerial vehicle (UAV), a package that includes a plurality of items, each item being associated with a target delivery destination; delivering, by the distance UAV, the package to a regional hub that includes a local UAV, the distance UAV being configured to travel a longer distance and carry more weight than the local UAV; retrieving, by the local UAV, a given item of the plurality of items from the package; determining, by the local UAV, the target delivery destination associated with the given item; and delivering, by the local UAV, the given item to the target delivery destination.

Probable Patent Assignee: EXPRESS SCRIPTS STRATEGIC DEV INC
Earliest Publication Date: 20231017



14. Family 91603855 (IN202241026689 A)

[View in PatBase](#)

Title

[EN] PROVIDE EMERGENCY MEDICATION IN THE MICRO CONTAINMENT AREAS

Abstract

[EN] In this proposed idea, we'll look at a definitive evidence prototype for a self-driving centralized drone made up of a glider with six motor driver robots. Recently, there has been an increase in demand for such devices because they can be used in a variety of emergency situations mostly in a pandemic that do not need human intervention. Ability to life-saving and vital health goods is hindered by the so-called last-mile crisis in both industrialized and developing economies. After that, the technology would be used to provide the medication or health drugs for the needy people who are in the micro-containment areas. Since such areas are completely prohibited from humans in order to prevent the widespread of corona virus among the people. According to experts, the drones would allow for a 95 percent decrease in covid distribution in that micro-containment zone since it is a serious part of the city, enabling workers to work on other parts of the streets. To address this connectivity issue, a nationwide drone delivery system must be developed to transport critical medicines or other necessities to patients living in inaccessible areas. It must also be available in emergency situations and areas vulnerable to micro-containment.

Probable Patent Assignee: BLESSY Y M

Earliest Publication Date: 20220520

15. Family 88520739 (KR102334057 B1)

[View in PatBase](#)

Title
[EN] GAME DEVICE FOR DELIVERING VIRUS VACCINE AND TREATMENT

Abstract
[EN] A game method using a game device for delivering a virus vaccine and a virus treatment agent is provided. The method comprises: a first step of providing a game board to a user and providing a game method image to the user through a display, wherein the game board includes a virus-infected person and a virus non-infected person randomly arranged, a first block and a second block having different images, a drone device, and a drug delivery vehicle; a second step of providing a learning model building program to the user so that the user can construct an identification model for classifying the first block and the second block as a virus treatment agent or a virus vaccine, wherein the identification model is trained so that the first image and the second image generated by a camera are identified as the virus treatment agent or the virus vaccine. A third step in which the user identifies the virus-infected person and the virus non-infected person on the game board through the drone device; a fourth step in which the user identifies the first block and the second block as the virus treatment agent or the virus vaccine through the constructed identification model; and a fifth step of delivering the block identified as the virus treatment agent to the identified virus-infected person through the drug delivery vehicle, and delivering the block identified as the virus vaccine to the identified virus non-infected person. According to the present invention, the method has the effect of improving the quality of coding education.

Probable Patent Assignee: KYONGSANGNAM DO OFFICE OF EDUCATION

Earliest Publication Date: 20211203



16. Family 83673059 (IT201900002083 A1)

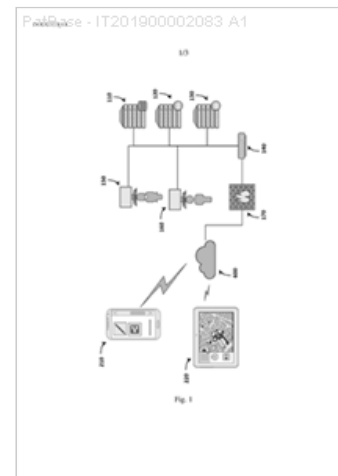
[View in PatBase](#)

Title

[MT] Application AND INTEGRATED SYSTEM FOR MONITORING FOR SECURITY SERVICES

Abstract

[MT] [Source: Claim 1] or 2, characterized in that said system includes a device home information provided with holographic technology (500) to be installed within a dwelling or local to be monitored; said device acts as a communication hub and single interface between said mobile application and a plurality of other electronic devices, actuators and servoactuators; said device allowing the control and monitoring of each accessory connected thereto. 4. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized by the 23 M AX IX IE\Li - M AX IXII\li S.r.l. Via delle Quattro Fontane, 31 - 00184 ROME PF/DD/153pl8 that said system includes a series of remote sensors for the safety of places and persons connected with any technology to mobile application; said sensors including but not limited to: gasproof sensors, sensors flood, fire, sensors, intrusion sensors; said mobile application can automatically trigger the necessary counter-measures in case of an alarm and signalling the state of emergency to the control center. 5. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system includes a plurality of "smart" devices wearable connected locally to the electronic device (300) that performs the mobile app; said wearable devices being provided with RFID or NFC or via QR code and being used as electronic key cards for the opening and closing of doors, gates, doors, goalkeeper of cars, safes; said opening and closing occurring only as a result of verification and approval by the central computer system which emits a confirmation a cryptographic key used by said wearable devices in addition to its identification key. 6. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system includes a plurality of wearable devices with features of monitor vital functions and parameters of the user; said devices being able to communicate directly and constantly with the mobile application and through this with the operating center in order to detect any abnormal health states and alert the relief effort. 7. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized by the 24 M AX IX IE\Li - M AX IXII\li S.r.l. Via delle Quattro Fontane, 31 - 00184 ROME PF/DD/153pl8 the fact that said monitoring system and connected to the domotic systems in order to be able to control, by means of the same mobile application, the temperature environments, V lighting, programming of recording devices and monitoring the temperature of the water, the distribution of music in environments. 8. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system and able to connect to a device for the detection of impacts (720) in parked cars and in the absence of the driver; said device being associated with a camera for the collection of photographic evidence, including the license plate of the vehicle that produces the impact; said device communicating to the driver through the mobile app, the occurrence of impact and by sending a copy of the proof of photography. 9. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said mobile application is used to create a social platform managed by the control center, by means of the central computer, in order to branching in real time and with high capillarita messages of public utility in the event of a magnet, alert weather, emergencies and exceptional events; said messages being delivered directly on the electronic device of the user (210) push mode; said messages being sent directly on the electronic device of operators and security agents (220) to coordinate the actions. 10. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system comprises, between accessories connected to mobile application, a "smart" digital mirror with possibility of voice activation of a virtual assistant and connects to the panel 25 M AX IX IE\Li - M AX IXII\li S.r.l. Via delle Quattro Fontane, 31 - 00184 ROME PF/DD/153pl8 operation; said digital mirror including the possibility of quick call to one or more preset numbers. 11. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system includes a function of order and delivery of drugs by means of drone; said function being requestable mobile application; said through drone being under the direct control of the control center. 12. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system includes, between devices and accessories connected to mobile application, at least one pair of glasses supplied intelligent agents to safety; said eyeglasses comprising a method of augmented reality (AR) in order to view real-time information and directives from the control center; said eyeglasses being geolocalizzati intelligent and communicating the position of the operator at the control center. 13. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system includes an opportunity to chat in real-time between an operator to control center and field agents or between a customer and an operator to the control center. 14. Application and integrated system for monitoring for security services, according to any one of the preceding claims, characterized in that said system, by means of said mobile application, enables you to shop for services so fragmented or for a given period of time without the need for contracts ad hoc. 26



Probable Patent Assignee: GRUPPO SECUR S R L

Earliest Publication Date: 20200813

17. Family 66149469 (US2017173262 AA)

[View in PatBase](#)

Title

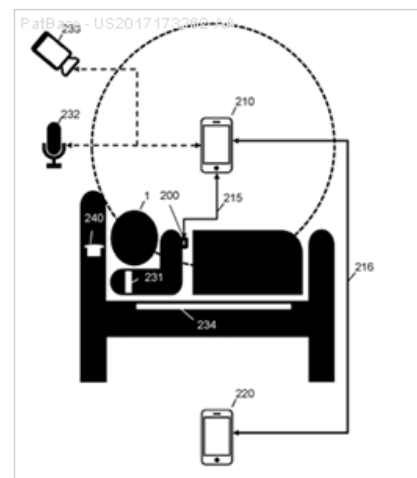
[EN] MEDICAL SYSTEMS, DEVICES AND METHODS

Abstract

[EN] There is disclosed a medical system comprising one or more sensors associated with one or more actuators. Various embodiments describe sensors and/or actuators, logic circuits, user interfaces, association schemes, communication schemes, security schemes, cryptographic schemes, medical management rules, social mechanisms, energy management schemes, time and/or space schemes, body analytes and/or biomarkers, blood glucose and/or interstitial glucose sensors, drug delivery devices, continuous glucose monitoring devices, as well as flash glucose monitoring devices. Methods, software and other hardware aspects are described.

Probable Patent Assignee: VELTZ FRANCOIS PAUL

Earliest Publication Date: 20170622



18. Family 71800323 (CN108773492 A)

[View in PatBase](#)

Title

[EN] SPRAY ROD-NOZZLE INTEGRATED SPRAYING DEVICE AND AGRICULTURAL DRONE INCLUDING THE SAME

Abstract

[EN] The invention discloses a spray rod-nozzle integrated spraying device and an agricultural drone including the same. The device is arranged on a fixation frame of the agricultural drone and includes a cylindrical hollow outer tube, a cylindrical hollow inner tube sleeved by the cylindrical hollow outer tube, an outer tube driving member for driving the rotation of the cylindrical hollow outer tube and an inner tube driving member for driving the rotation of the cylindrical hollow inner tube; the cylindrical hollow outer tube is provided with multiple nozzles in a peripheral direction and axial direction; the cylindrical hollow inner tube is connected to a first drug delivery tube, and is provided with a spraying groove in the axial direction; and one end of the spraying groove communicates with the inner cavity of the cylindrical hollow inner tube, and the other end of the spraying groove fits on the inner wall of the cylindrical hollow outer tube. The device can adapt to spraying requirements of various crops, perform spraying on various crops, and has advantage of strong universality.

Probable Patent Assignee: UNIV SOUTH CHINA AGRICULT

Earliest Publication Date: 20181109



19. Family 97113608 (WO23076719 A1)

[View in PatBase](#)

Title

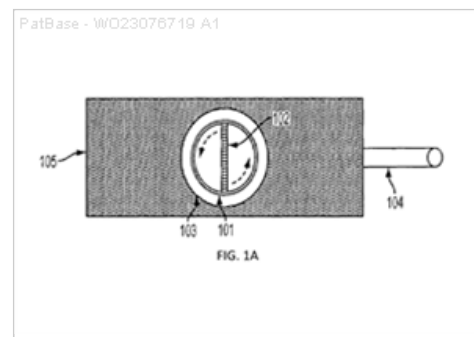
[EN] REMOTE DIAGNOSTICS AND TREATMENT SYSTEMS

Abstract

[EN] Systems and methods for remote diagnostics and therapies are disclosed. A remote technician or automated computer system, optionally using artificial intelligence algorithms, can communicate with and control home diagnostic and therapeutic devices such as ultrasound imaging devices avoiding the need for patient travel and costly hospital visits. Devices can be delivered via standard courier services or other mechanisms such as drones or self-driving delivery vehicles. Once delivered a remote diagnostic and/or therapy session can be completed using a wired or wireless communications network. Portions of the devices can then be disposed of or returned for redistribution. Devices may include security measures such as user lockouts after authorized use is complete and/or self-destruction mechanisms to prevent tampering or unauthorized use of expensive or proprietary components.

Probable Patent Assignee: INNOSCIION LLC

Earliest Publication Date: 20230504



20. Family 99148079 (CN219750122 U)

[View in PatBase](#)

Title

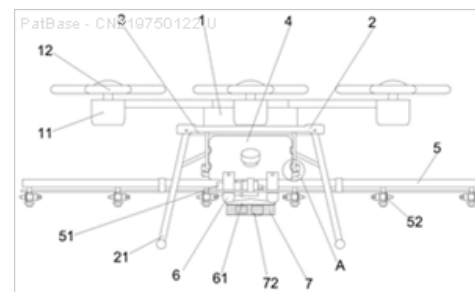
[MT] An agricultural unmanned aerial vehicle with automatically adjustable flight altitude

Abstract

[MT] The present utility model discloses an agricultural unmanned aerial vehicle having an automatically adjustable flight height, related to the field of agricultural unmanned aerial vehicle technology, including an unmanned aerial vehicle body, a base, A drug tank and a delivery rod, the outer side of the drone body is fixed with a drive arm, the drive motor of the drive arm is docked with a propeller providing flying power. The agricultural drone having an automatically adjustable flight height, the shield on which the laser sensor and the flight controller are mounted is docked with a socket on the underside of the mount through the docking block at the top four corner position, and the docking tube is brought with a through hole in the middle of the docking block by rotating the knob to complete the limit docking, The shield can be securely mounted, and vice versa, by operating the knob in reverse so that the docking block is disengaged from the socket, thus facilitating the removal between the mounting and the shield, This facilitates service and maintenance of components used to measure the height position of agricultural drones.

Probable Patent Assignee: WEIFANG AOLAN AGRICULTURAL TECHNOLOGY SERVICE CO LTD

Earliest Publication Date: 20230926



21. Family 20467687 (US6024974 A)

[View in PatBase](#)

Title

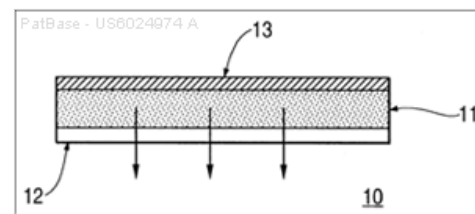
[EN] COMPOSITION AND METHODS FOR TRANSDERMAL DELIVERY OF ACID LABILE DRUGS

Abstract

[EN] A transdermal composition and related method are described. Specifically, the transdermal composition is substantially free of gestodene or substantially free of isopropyl myristate and substantially free of lower alkanols and comprises: (a) a therapeutically effective amount of a pharmacologically active drug which is subject to acid catalyzed degradation; (b) a pharmaceutically acceptable carrier; and (c) a penetration enhancing effective amount of a functional derivative of a fatty acid.

Probable Patent Assignee: NOVEN PHARMACEUTICALS INC

Earliest Publication Date: 19960711



22. Family 84809116 (IN201941017105 A)

[View in PatBase](#)

Title

[EN] DISCOVERY OF A VARIABLE SPEED ELECTROMAGNETIC PROPULSION SYSTEM USING LASER BASED TIMER

Abstract

[EN] Although numerous models of aerial-robots/drones and planet landers have been demonstrated to fly autonomously in natural and manmade environments for far-reaching scientific and technological change to help humankind, no drone flown yet with a dual-head electromagnetic power system (EPS) ensuring unrestricted flight endurance. Here we disclosed a proof of concept to demonstrate the capability of a newly invented variable speed propulsion and energy conversion device integrated with EPS for generating uninterruptedly the reciprocating motion of a magnetic-piston by a lunar driven polarity-changer-timing-circuit together a laser-based-timing-circuit (LBTC) for redundancy. The reciprocating crusade of the magnetic piston is successfully converted into rotary motion for generating continuous power for various multidisciplinary applications in Earth and the other planets from yocto to yotta scale systems, in lieu of long-lasting rechargeable batteries. The proposed concept can also be invoked for nanomaterial-enabled locomotive applications lucratively. The EPS integrated drones are more useful during the natural calamity.

Probable Patent Assignee: AMRITH MARIAPPAN

Earliest Publication Date: 20210507

23. Family 99886360 (CN220023967 U)

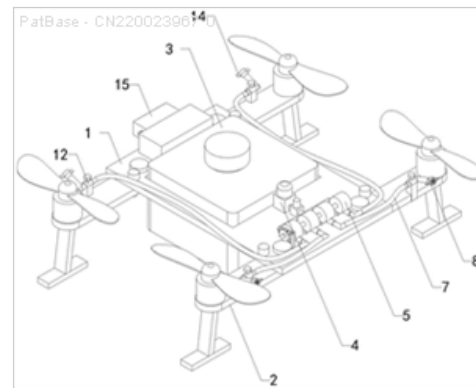
[View in PatBase](#)

Title

[MT] A drone spray control system

Abstract

[MT] The present utility model relates to the technical field of unmanned aerial vehicles, and in particular to an unmanned aerial vehicle spray control system capable of equi-controlling the amount of medicament sprayed by a plurality of nozzles to make the amount of pesticide sprayed by the plurality of nozzles uniform; A machine arm and a drug tank, a plurality of machine arms mounted on a rack, a drug tank mounted on the rack; and a water pump, a dispensing cartridge, An impeller, a drug delivery tube, and a spray head, a suction tube of a water pump mounted on a frame, a suction tube of the water pump protruding into a tank, an output end of a water outlet tube of the water pump being connected to an input end of a plurality of dispensing cartridges respectively, a plurality of impellers being rotatably mounted in a plurality of dispensing cartridges respectively, the plurality of impellers being synchronously connected by a drive shaft, The simultaneous rotation of a plurality of impellers controls the equal amount of pesticide delivery in a plurality of dispensing cartridges, The output of multiple dispensing cartridges are connected with the input of multiple drug delivery tubes, the output of multiple drug delivery tubes are installed sprinklers, multiple sprinklers are located under the propeller of multiple arms, propeller wind will blow pesticide mist, so that the pesticide spray is uniform.



Probable Patent Assignee: SHANDONG ZHONGYU AVIATION TECHNOLOGY DEVELOPMENT CO LTD

Earliest Publication Date: 20231117

24. Family 98939668 (CN116724976 A)

[View in PatBase](#)

Title

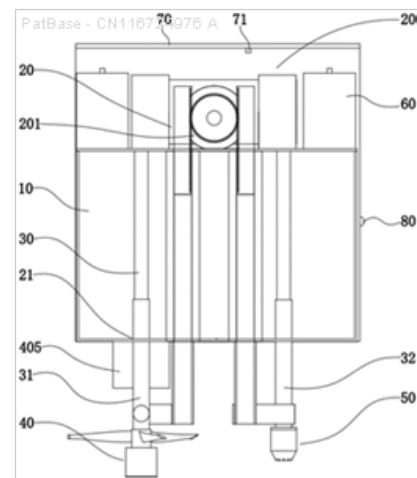
[MT] A droplet size control device and method of control during application

Abstract

[MT] The present invention is applicable to the field of application control technology, provide a droplet size control device and control method during application. Including a tank mounted on a plant protection drone, an air pump and a motor fixed to the tank, an air duct of the air pump connected and communicating with the tank, two through holes are provided at the bottom of the tank, and a flow stop rod is fixed in the tank above both through holes, the two flow stop rods being respectively capable of being connected to a first tube, A second drug delivery tube is matched, a first drug delivery tube, A second drug delivery tube passing through the through hole and being connected and in communication with the first and second drug delivery devices, respectively, and a switching mechanism mounted on the tank, the switching mechanism being driven by a motor to realize the first drug delivery tube, The second transfer tube reverses the movement alternately with the stop rod, to achieve the different spraying devices switching during the application process, reduce the labor of the operator, and improve the efficiency of spraying.

Probable Patent Assignee: SHANDONG YIJIA AGROCHEMICAL CO LTD

Earliest Publication Date: 20230912



25. Family 72406402 (CN208228160 U)

[View in PatBase](#)

Title

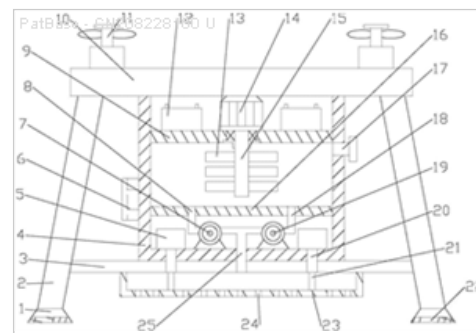
[MT] A drone pesticide spraying device

Abstract

[MT] The utility model provides a UAV, pesticide spraying device comprises kits; The Kits Internal upper side is provided with a battery; Said battery by a bolt fixedly mounted on the upper side; The separator side by bolts fitted with stirring motor; The lower side of the stirring motor is connected with the stirring shaft; The stirring shaft is provided with a lower side of the baffle; Said baffle wall mosaic mounted a first drug delivery tube; The first drug delivery tube is connected with the right end of the first pump; The first pump is connected with the right side of the tee; The three-way tube lower side end wall mosaic installed in horizontal plate; The lower side of the horizontal plate is welded and fixed outer wall of the spray plate; The spray plate side wall opened orifice; The utility model has simple structure, reasonable design, easy operation, good spray effect, with a strong practical.

Probable Patent Assignee: NANJING SWORD UAV TECHNOLOGY CO LTD

Earliest Publication Date: 20181214



26. Family 80996063 (CN111659681 A)

[View in PatBase](#)

Title

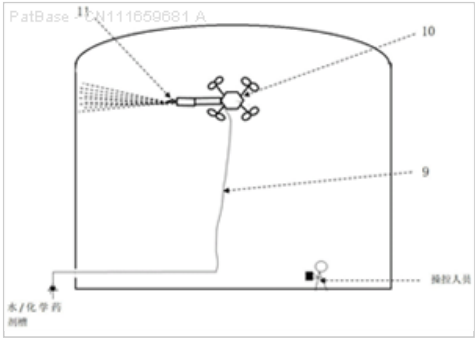
[EN] METHOD AND SYSTEM FOR RAPIDLY CLEANING INNER WALL OF BUTADIENE STORAGE TANK BY THICKENING CATALYSIS METHOD

Abstract

[EN] The invention discloses a method and system for rapidly cleaning the inner wall of a butadiene storage tank by a thickening catalysis method, and relates to the technical field of internal cleaning offline chemical storage tanks. The system comprises a tapered roller rotating spray gun and a drone spraying device; the tapered roller rotating spray gun comprises a tapered roller spray head, a tapered roller cavity and a lock catch which are sequentially connected; the tapered roller cavity comprises a shell and an inner cavity wall; a plurality of tapered roller rotating rolling shafts made of 316 stainless steel are arranged between the shell and the inner cavity wall and are seamlessly connected with the shell and the inner cavity wall; the tapered roller cavity is connected with a pneumatic drug delivery umbilical cord through the lock catch; and the drone spraying equipment is used as a flight carrier to be connected with the tapered roller rotating spray gun. According to the method and system for rapidly cleaning the inner wall of the butadiene storage tank by the thickening catalysis method, the climbing operation of professional constructors is omitted, the traditional construction operation that the constructors conduct wiping by adopting hanging baskets, hanging ropes and the like to be hung on the inner walls of a storage tank and a spherical tank is broken through, traditional in-tank cleaning and scaffold erection along the tank body for construction are replaced, and the safety of physical and chemical cleaning construction operation of the inner walls of the oil tank and the spherical tank is greatly improved.

Probable Patent Assignee: DALIAN TIANFAN ANTICORROSION ENG CO LTD

Earliest Publication Date: 20200915



27. Family 64165485 (US2016351889 AA)

[View in PatBase](#)

Title

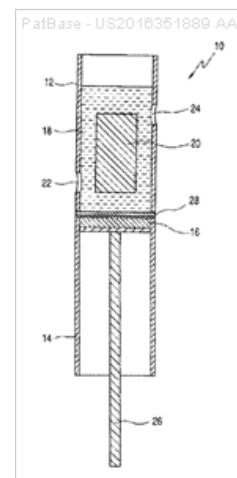
[EN] HIGH PURITY LITHIUM AND ASSOCIATED PRODUCTS AND PROCESSES

Abstract

[EN] High purity lithium and associated products are provided. In a general embodiment, the present disclosure provides a lithium metal product in which the lithium metal is obtained using a selective lithium ion conducting layer. The selective lithium ion conducting layer includes an active metal ion conducting glass or glass ceramic that conducts only lithium ions. The present lithium metal products produced using a selective lithium ion conducting layer advantageously provide for improved lithium purity when compared to commercial lithium metal. Pursuant to the present disclosure, lithium metal having a purity of at least 99.96 weight percent on a metals basis can be obtained.

Probable Patent Assignee: ALPHA EN CORP

Earliest Publication Date: 20161201



28. Family 99475627 (CN116902902 A)

[View in PatBase](#)

Title

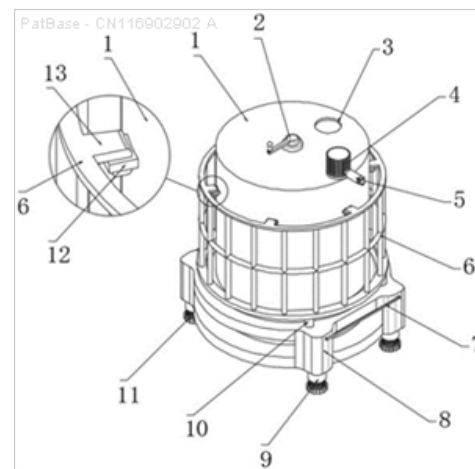
[MT] A dosing platform for planting drones

Abstract

[MT] The present invention relates to the technical field of unmanned aerial vehicle devices, and in particular to a dosing platform for planting unmanned aerial vehicles, comprising an inner portion of a reservoir provided with a drive shaft and a housing, and a surface of the reservoir provided with a water pump and a retaining clip, an inner portion of a support bracket provided with an adjustment groove, a positioning rod provided in the adjustment groove, and a spring provided on the positioning rod. And the surface of the support bracket is provided with a locating groove and a card groove, The surface of the guardrail is provided with a positioning post and a card plate, and the surface of the positioning post is provided with a positioning hole; the beneficial effect is that the rotation of the stirring blade is achieved by rotating the drive shaft, the mixing blade is achieved by uniformly mixing the water and the pharmaceutical agent, and the water pump is operated to extract the pharmaceutical liquid through the suction pipe, The tip of the drug delivery hose is inserted into the tank of the plant protection drone for the addition of the medicine solution, compared to the traditional method of adding by manually carrying the pail, more labor-saving, effectively reducing the labor intensity of the workers.

Probable Patent Assignee: HEBEI XINGKAI ELECTRIC POWER TECHNOLOGY CO LTD

Earliest Publication Date: 20231020



29. Family 77053496 (US2019388302 AA)

[View in PatBase](#)

Title

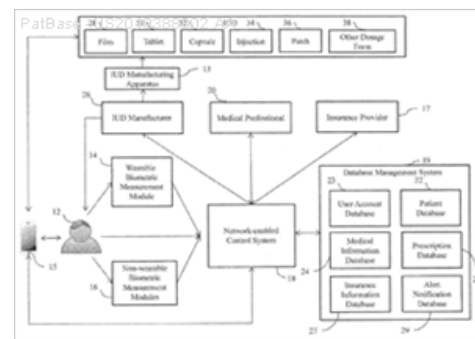
[EN] SYSTEM AND METHOD FOR MAKING PERSONALIZED INDIVIDUAL UNIT DOSES CONTAINING PHARMACEUTICAL ACTIVES

Abstract

[EN] Systems and methods for making and delivering personalized, medically prescribed pharmaceuticals to an individual patient are described. Individual unit doses (IUDs) of medicine may be prepared specific to the individual in need of same, by using a system, which includes a networked control system in combination with manufacturing assemblies specific to the IUDs and delivering the medicine to the patient directly from the manufacturer.

Probable Patent Assignee: AQUESTIVE THERAPEUTICS INC

Earliest Publication Date: 20191226



30. Family 93015596 (IN202141006517 A)

[View in PatBase](#)

Title

[EN] INFLIGHT-RAPID CRITICAL CARE AND CONVALESCENCE UNIT (IRCCCU)

Abstract

[EN] THIS INVENTION RELATES To Healthcare, it's combination of Aeronautics+MedicalScience+InformationTechnology, Inflight-Rapid Critical Care and Convalescence Unit, which can fly with 600-kg, 2000-Feet high, 300kt Speed reaches to exact location of patient (s) to treat and transport. With Lifesaving drugs, physiological conditions to save Patient's life in critical situations, it'll be equipped with latest nano and Micro segment health equipment's. With IoT, sensors and Data AI, analytics, computations, which'll makes it Novel/unique. In IRCCCU Patient'll get IV/IM drug (s), Oxygen, defibrillator, ECG-Monitoring, BP-Monitoring, multiple injuries scans and blood samples to compute risks of viral/bacterial infection (s) using remote testing. IRCCCU Civil, Military both in 1,2,4 bed Models. Defense-Type will be armed with motion Sensor Guns, Missiles, Flares, Bullet+Bombproof. Integrated with Satellite Bidirectional connectivity and DATA-SIM for Signal/Data transmission. Works on Electro Magnetic Jet repulsion and Bladeless/jet-fuel-Burner air-thrust for landing and Takeoff. Serves All Patients Humans and Animals. Serve all Geographical locations.

Probable Patent Assignee: ABHISHEK SRIVASTAVA

Earliest Publication Date: 20220819

31. Family 75995235 (WO19179699 A1)

[View in PatBase](#)

Title

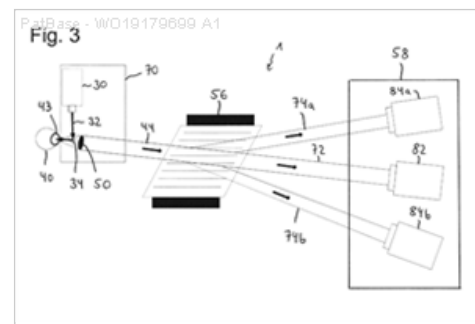
[EN] SPECTROMETER APPARATUS, METHOD FOR OPERATING THE APPARATUS, AND USE THEREOF

Abstract

[EN] The invention relates to a spectrometer apparatus, in particular a Raman spectrometer apparatus, a fluorescence spectrometer apparatus and/or an absorption spectrometer apparatus, a method for spectral analysis of a secondary light spectrum, in particular a Raman spectrum, a fluorescence spectrum and/or an absorption spectrum, and uses of such a spectrometer apparatus and the method. The spectrometer apparatus, in particular for Raman, fluorescence and/or absorption spectrometry comprises: a light source for generating primary light for illuminating a specimen so as to excite Raman scattering, fluorescence and/or absorption in the specimen by way of the primary light so that the specimen emits a secondary light spectrum, the secondary light spectrum being generated by Raman scattering of the primary light in the specimen, by fluorescence in the specimen and/or by absorption in the specimen; an optical system for projecting an emission region of the secondary light from the specimen; an optical filter, which filters the secondary light projected by the optical system; a control device for controlling the optical filter; a detector device which detects the secondary light filtered by the optical filter, the optical filter being formed as a variable optical filter in such a way that the wavelengths of the secondary light allowed to pass through to the detector device by the optical filter can be selected by means of controlling the variable optical filter by the control device.

Probable Patent Assignee: HOCHSCHULE MANNHEIM

Earliest Publication Date: 20190926



32. Family 62756430 (US2016189174 AA)

[View in PatBase](#)

Title

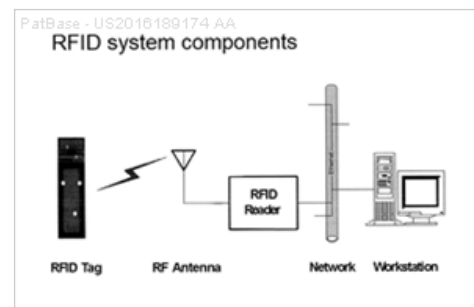
[EN] SYSTEMS, COMPUTER MEDIA, AND METHODS FOR USING ELECTROMAGNETIC FREQUENCY (EMF) IDENTIFICATION (ID) DEVICES FOR MONITORING, COLLECTION, ANALYSIS, USE AND TRACKING OF PERSONAL, MEDICAL, TRANSACTION, AND LOCATION DATA FOR ONE OR MORE INDIVIDUALS

Abstract

[EN] Methods, apparatus, non-transitory computer readable storage medium, computer systems, networks, and/or systems using a wireless device for detection and tracking of user's data that uses electromagnetic frequency (EMF) identification (EMFID) technologies to provide data transfer and communications for EMFID sensors for automatic identification data collection of personal data for one or more individuals or end user, multiple EMFID tag interactions, remotely storing, monitoring and retrieving data and location data, physical, emotional and mental state data, integration of biometric data, healthcare, physical health conditions, medical conditions, diseases and conditions for disease control and prevention, pharmaceutical data and other data to develop a profile for one or more individuals, using radio and other frequency tags and relaying data from EMFID tag interactions to a database that can be accessed by members of a network, wherein predictive analytics are used for one or more individuals analysis, marketing, monitoring, behavior, diagnosis and promotions, of interest, of medical care, drugs, products, illegal activity, or other services, of interest, of past, present or future customers, users, targets and/or target markets.

Probable Patent Assignee: HEATH STEPHAN

Earliest Publication Date: 20160624



33. Family 75050886 (WO15025251 A1)

[View in PatBase](#)

Extended Family Number: 44905751

Title

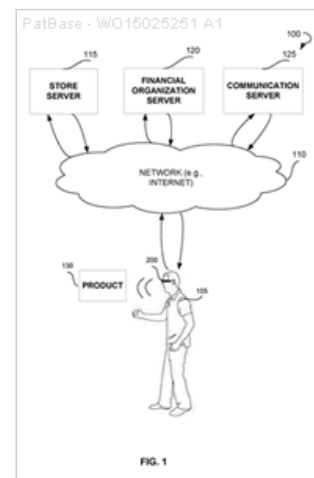
[EN] WEARABLE AUGMENTED REALITY EYEGGLASS COMMUNICATION DEVICE INCLUDING MOBILE PHONE AND MOBILE COMPUTING VIA VIRTUAL TOUCH SCREEN GESTURE CONTROL AND NEURON COMMAND

Abstract

[EN] Provided are an augmented reality eyeglass communication device and a method for facilitating shopping using an augmented reality eyeglass communication device. The augmented reality eyeglass communication device may comprise a frame, and a right earpiece and a left earpiece connected to the frame. Furthermore, the eyeglass communication device may comprise a processor configured to receive one or more commands of a user, perform operations associated with the commands of the user, receive product information, and process the product information. The eyeglass communication device may comprise a display connected to the frame and configured to display data received from the processor. In addition to that, the eyeglass communication device may comprise a transceiver electrically connected to the processor and configured to receive and transmit data over a wireless network. The eyeglass communication device may comprise a Subscriber Identification Module card slot, a camera, an earphone, a microphone, and a charging unit.

Probable Patent Assignee: ZHOU ANDREW

Earliest Publication Date: 20150226



34. Family 75050943 (US2013346168 AA)

[View in PatBase](#)

Extended Family Number: 44905751

Title

[EN] WEARABLE AUGMENTED REALITY EYEGLASS COMMUNICATION DEVICE INCLUDING MOBILE PHONE AND MOBILE COMPUTING VIA VIRTUAL TOUCH SCREEN GESTURE CONTROL AND NEURON COMMAND

Abstract

[EN] Provided are an augmented reality eyeglass communication device and a method for facilitating shopping using an augmented reality eyeglass communication device. The augmented reality eyeglass communication device may comprise a frame, and a right earpiece and a left earpiece connected to the frame. Furthermore, the eyeglass communication device may comprise a processor configured to receive one or more commands of a user, perform operations associated with the commands of the user, receive product information, and process the product information. The eyeglass communication device may comprise a display connected to the frame and configured to display data received from the processor. In addition to that, the eyeglass communication device may comprise a transceiver electrically connected to the processor and configured to receive and transmit data over a wireless network. The eyeglass communication device may comprise a Subscriber Identification Module card slot, a camera, an earphone, a microphone, and a charging unit.

Earliest Publication Date: 20131226

