

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941013595 A

(19) INDIA

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(54) Title of the invention : SMART FOOD STORAGE SYSTEM

(51) International classification :G06K 19/06
(31) Priority Document No :NA
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(86) International Application No :NA
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Filing Date :NA
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Filing Date :NA

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(57) Abstract :

A smart food storage system and method for tracking states of stored food is disclosed. The disclosed system and method are based on a container to store one or more food items; one or more sensors configured with the container to detect or scan the stored food items to extract one or more attributes data associated with food information of the food items; processors coupled with a memory, the memory comprising a set of instructions embodied in the memory that is executable by the processors to compare the extracted one or more attributes data with a predefined stored data in a database to determine sates comprising any or a combination of fresh, semi-spoiled, spoiled, and expired status of the food items; and a display unit operatively coupled with the processors to display the determined states of the stored food items.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911018925 A

(19) INDIA

(22) Date of filing of Application :12/05/2019

(43) Publication Date : 05/07/2019

(54) Title of the invention : IS-FAN: INTELLIGENT SEILING FAN

(51) International classification :F04D25/088
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
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(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :

Present invention is related to fan and their technology to control through voice input Through voice the fan can start, increase, decrease speed. A ceiling fan is a mechanical fan mounted on the ceiling of a room or space, usually electrically powered, suspended from the ceiling of a room that uses hub-mounted rotating blades to circulate air, The present invention resolve one or more of the deficiencies in existing ceiling fans by using a high efficiency Electronically Commutated (EC) motor in a Totally Enclosed Non-Ventilated (TENV) design. An EC motor has rotor poles provided by permanent magnetic materials, such as Ceramic or Neodymium Iron Boron, which do not consume any electrical power. This allows an EC ceiling fan motor to run with substantially lower losses than a comparatively rated AC induction motor.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018711 A

(19) INDIA

(22) Date of filing of Application :10/05/2019

(43) Publication Date : 07/06/2019

(54) Title of the invention : SDCC-DEVICE: STRANGELY DETECT AND CONTROL CYBERCRIME DEVICE

(51) International classification :G06F21/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :

This invention is to designed and identifies cyber users as a strategy to detect and control cybercrime. The motivation was premised on the fact that every cyber user must create some impressions which are verifiable to identify him. The methodology adopted is the object oriented paradigm of system analysis and design. The crime scenario considered for detection is phishing, identity theft and data theft. The platform for implementation of the system is PHP ,java and Anguler-2. MySQL was used as the database. The hardware used for implementation has inbuilt webcam or attached digital camera for facial image capturing, a Real time-GPS sensor to locate a cyber-user™s position, and a fingerprint scanner. The invention is modeled to provide interfaces to capture the digital signatures, Biometric input, for each information sent to the cyberspace, the user™s fingerprints and facial image as mandatory login parameters, identify and record the geographical location of the user, the MAC address of the system used, the date, time and the kind of action carried out by the user while online, then record security threats for further investigation by cybercrime investigators. The results showed that the system can genuinely identify the cyber user and his/her criminal activities while online. Also this invention is providing the strongest tool to detect the cybercrime with real time. We are used as a first line of defence against this unusual sort of crime Since cybercrime is like a smart key, we can build a smarter keyhole to detect illegal entry. We can do that by detecting attempts to pick the lock. Smart locks can detect smart crimes. Cybercrime detection acts like a smart lock, and so detection of cybercrime (picking the lock) involves monitoring computers, computer networks, and network servers that play important roles in information systems. Sometimes we classify cybercrime using cyber-attack at an advanced cybercrime (high-tech crime) these are sophisticated attacks against computer hardware and software - like online scams (fraud), identity theft, email spam, and phishing. In other words, advanced cybercrime is using a computer to attack other computers.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941028829 A

(19) INDIA

(22) Date of filing of Application :17/07/2019

(43) Publication Date : 16/08/2019

(54) Title of the invention : SYSTEM FOR IMPROVING THE PERFORMANCE OF THE BATTERY DRIVEN DEVICES

(51) International classification :H01M10/42
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :

The present invention relates to a system and method for improving the performance of the battery driven devices. The object of the proposed invention is to improve the discharging efficiency of the battery which is used as energy source for portable electronic and electrical appliances by adopting the different techniques based on electrochemistry properties of a battery. The techniques proposed here analyze the detrimental effects of recovery effect, thermal and rate capacity effect and ways to mitigate them. Also, maintaining the battery module/set at optimum temperature would mitigate the undesirable effect of internal resistance of the battery. It is envisaged that with the proposed techniques the lifetime of the battery can be extended by 20% to 30%.Following invention is described in detail with the help of Figure 1 of sheet 1 and Figure 2 of sheet 2 showing the flow chart of the proposed invention.

No. of Pages : 15 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941047189 A

(19) INDIA

(22) Date of filing of Application :19/11/2019

(43) Publication Date : 29/11/2019

(54) Title of the invention : SYSTEM AND METHOD FOR ELIMINATING ARTIFACTS IN ELECTROCARDIOGRAM SIGNALS

(51) International classification	:A61B5/0428	(71)Name of Applicant :
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(57) Abstract :

SYSTEM AND METHOD FOR ELIMINATING ARTIFACTS IN ELECTROCARDIOGRAM SIGNALS Exemplary embodiments the present disclosure are directed towards a system for eliminating artifacts in electrocardiogram signals, comprising a computing device comprising an error normalized kalman adaptive noise canceller module configured to eliminate one or more artifacts in one or more electrocardiogram signals, wherein the one or more acquired signals from the patient are in general is a composition of the original heart activity and artifact component. FIG. 1.

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941050858 A

(19) INDIA

(22) Date of filing of Application :09/12/2019

(43) Publication Date : 13/12/2019

(54) Title of the invention : MOBILE AD HOC NETWORK MULTICAST ROUTING METHOD FOR REDUCTION OF INFORMATION TRANSMISSION

(51) International classification :H04W40/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention disclosure is related to mobile ad hoc network multicast routing method for reduction of information transmission. The objective of the present invention to overcome the inadequacies of the prior art in mobile ad hoc network multicast routing.

No. of Pages : 20 No. of Claims : 5

(54) Title of the invention : FA-IATM : FINGERPRINT AND PIN(6-DIGIT) AUTHENTICATION TO ENHACE SECURITY THE INTELLIGENT AUTOMATIC TELLER MACHINE

<p>(51) International classification :H04W4/02 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)DR.B.RAJA RAO Address of Applicant :DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY,ANAKAPALLE-531002, VISAKHAPATNAM, ANDHRA PRADESH,INDIA. Andhra Pradesh India 2)DR.S.VIJAYARAGHAVAN 3)DR.B.B.M .KRISHNA KANTH 4)S.V.RAMA RAO 5)J.V SURESH BABU (72)Name of Inventor : 1)DR.B.RAJA RAO 2)DR.S.VIJAYARAGHAVAN 3)DR.B.B.M .KRISHNA KANTH 4)S.V.RAMA RAO 5)J.V SURESH BABU</p>
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(57) Abstract :

FA-IATM : FINGERPRINT AND PIN(6-DIGIT) AUTHENTICATION TO ENHACE SECURITY THE INTELLIGENT AUTOMATIC TELLER MACHINE [330] ABSTRACT In my Invention FA-IATM • we develop to add more security (biometric , pin(6-digit, mobile sensing) to the current ATM Systems. By using Biometric Authentication and mobile sensing, we can overcome many of the flaws introduced by our current ATM system such as shoulder surfing, use of skimming device, etc. In our FA-IATM • system, Bankers will collect the customer™s as well as respective nominee™s fingerprint and mobile number at the time of opening the account. The primary step is to verify currently provided fingerprint with the fingerprint which is registered in the Bank™s database at the time of account opening. If the two fingerprints get matched, then a message will be delivered immediately to the card holder and if they verify and enter amount only then and only then they can collect the cash from the ATM. It is a highly secured Automatic Teller Machine banking system using an optimized Advanced Encryption Standard (AES) algorithm , and other algorithm can also used for optimize result . For every transaction, new sensing message(i.e verified or not verified) will be sent to account holder™s mobile phone, e- mail.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941037099 A

(19) INDIA

(22) Date of filing of Application :15/09/2019

(43) Publication Date : 20/09/2019

(54) Title of the invention : INTERNET OF THINGS [IOT] ENABLED MULTIPURPOSE CHAIR

(51) International classification :H04L12/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

In everyday life the chair is essential for every individual. In the places like house, office and hospitals, the chair is using for long duration. The proposed system is a IoT technology enabled multi-purpose chair, that can be used in home, office and hospitals by implanting/attaching the health sensors like AD8232-Ecg sensor, BP sensor, LM35 temperature sensor, veneir blood pressure sensor, and weight sensor to the node MCU micro-controller together with the thing speak cloud platform and IFTTT technology. With this the office head can know the duration of the hours of his employee that who is sitting in chair. Similarly the doctors can know the immediate health conditions of the patients. Similarly the person who is sitting on the chair can control the home appliances from on chair itself. In this proposed system will get both the local and global alerts with the help of the buzzers and the SMS. This system will lead to monitor the employees, patients and appliances remotely.

No. of Pages : 18 No. of Claims : 4