A MULTI-FUNCTIONAL DISPENSING MACHINE FOR FISH OR ANIMAL FOOD

Technical Field

This invention relates to a multi-functional machine designed for dispensing or automatic vending food for different types of fauna and fishes.

Summary of Invention

In a first aspect, the present invention provides a machine for dispensing packages of processed feeds suitable for fish and animals, at least one or more type of food will be enabled to be dispensed from the machine; each storage container will have its own dispensing mechanism that will release food.

A general external enclosure houses the containers storing of feeds that can either be in the form of pre-packaged and or in loosely stored. An opening is made available for dispensing to users, packets of food. These pre-sealed packages will be air-tight to keep the contents fresh.

The mechanism shall alert the user once the choice of storage of food has become empty or when it is unable to dispense.

In a second aspect, this machine may further include a port for inserting money and be used as a kiosk for vending fish and animal feeds.

The machine may further have a built-in timer clock that can be programmed to dispense the food at restricted timings of the day.

This external housing of the enclosure shall allow advertisements in the form of prints that can be by light illuminated from within the enclosure, when electricity is supplied.

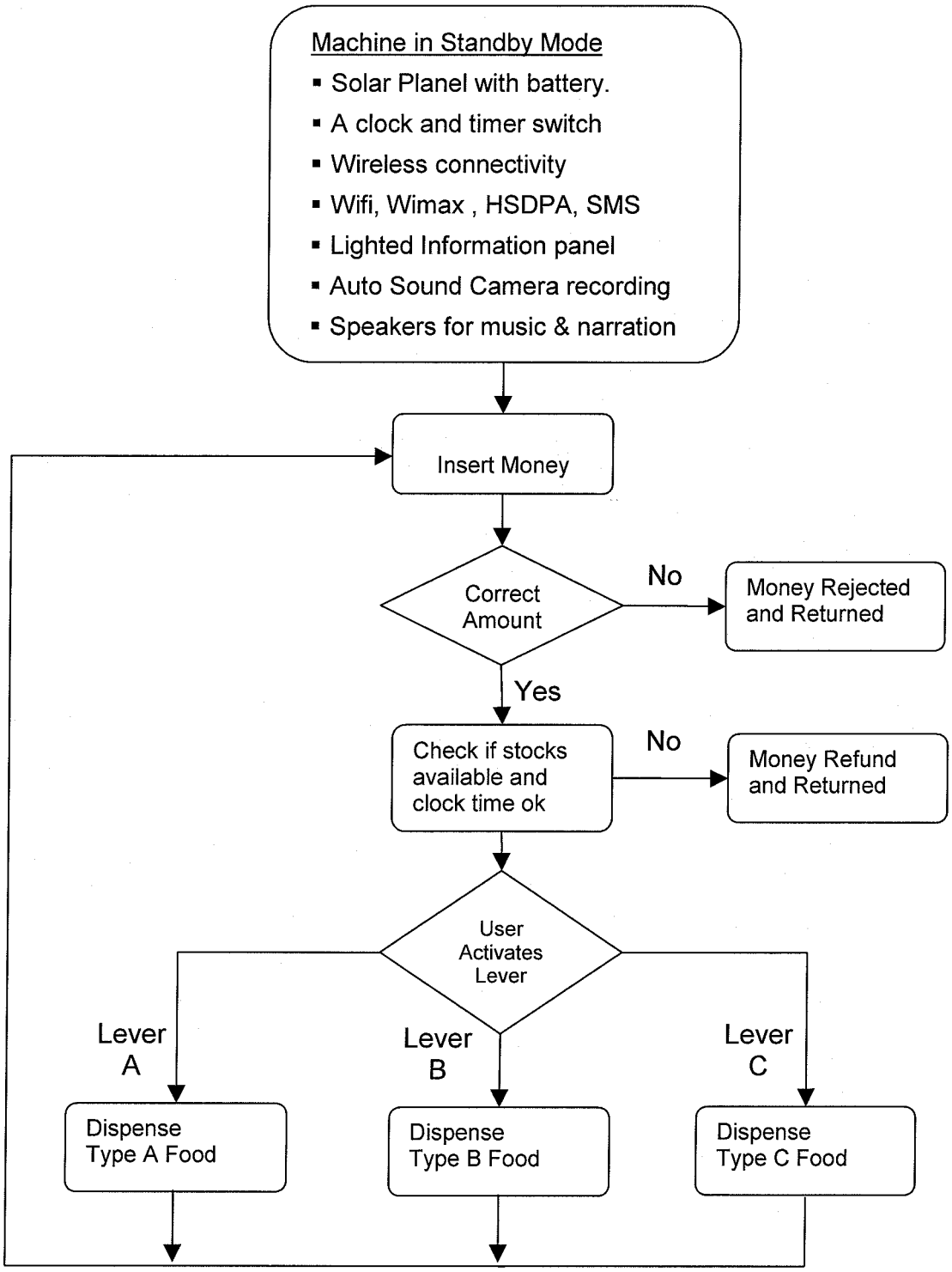
The external housing will additionally be able to secure panels with decorative fixtures that will allow the housing to be camouflaged or aesthetically designed.

In the third aspect, this machine may further include a solar panel with supporting accumulators and batteries that will store electricity to power up devices within the unit including:

- Motion-sensing Camera
- A clock and timer switch
- Wireless phone
- Modem
- Lighted panel
- Recorded Voice and music
- Speakers
- Sensor to indicate that stock is low
- External devices

This allows the machine to function as an automated machine that can provide the user voice guidance and a narration of the services it provides. It also provides security monitoring of the vicinity through is video camera.

Schematics and Components – Flow Chart



Flow Chart

Description of drawings

The machine is modular in construction, having compartments for different feeds. Fig 1 & 2, item 1.

As an alternative various sized compartment can accommodate single or more choices of feeds on the machine. The modular construction allows re-configuration to provide storage for different types of food. Fig 1, item 2.

The machine shall be secured by 4 bolts to the floor to ensure a sturdy and secure construction for the safety of passer-by and its contents. Fig 2, item 3.

The machine can be stationed standalone as a kiosk, and be appreciated at any angle to view information printed on its sides, the viewing and reading of the information may further be accompanied by music, narration and lighting. Fig 2, item 4.

Includes a MP3 player that will broadcast voice and music recordings to passer-by. Fig 2, item 6.

Where provided as a vending machine, a person wishing to buy from the machine shall insert the money at the front of the panel and turn the lever specified for the desired type, this enables the mechanism to release the selected package and allows the person to access and remove one package from the opening. Fig 1& 2, item 5.

As an optional feature, includes a solar panel with supporting accumulators and batteries that will store electricity to power up devices. These Solar collectors are also supported by

connection to batteries and external electrical back-up that will also be linked to support other devices such as pumps, vicinities lightings and other ancillary devices. Fig 1 & 2, item 7

As an optional feature, Includes modem that will transmit wirelessly over Cellular GSM (CSD,SMS,GPRS) , UMTS (HSDPA) , Wifi or WiMax. Data transmitted will allow remote access, updating of voice recording, monitoring of stock levels, this also when the stock is low and will alert upon tempering, fault etc. Fig 2, item 8.

As an optional feature, the Machine includes a mini-ITX CPU board that will support cameras that can be activated by a remote sensor to record activities around its vicinity and includes a camera and MPPEG Recorder and hard-disk storage to provide security monitoring of the vicinity through is video camera. Fig 1 & 2, item 9

The machine may further have a built-in timer clock that can be programmed to dispense the food at restricted timings of the day. Fig 2, item 10

It is understood that processed foods for fish and fauna includes animal feeds for creatures such as fresh-water and marine fishes and birds, ducks and other domesticated or wild animals.

It is to be appreciated that various additions or alterations may be done to the invention described without departing from the spirit or ambit of the present submission.

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS

1. A multi-functional machine for dispensing different types of food for fauna and fishes.

2. A dispensing machine where according to claim 1, for use in vending and sales of packages of processed food suitable for fishes and animals and including a port for inserting money and an opening for dispensing of packets of food.

3. A machine where according to claim 1, houses the containers storing of fish and animal feeds that can either be in the form of pre-packaged and or in loosely stored to be dispensed. Including various sized compartments can accommodate single or more choices of feeds on the machine.

4. A machine where according to all prior claims, has a built-in timer clock that can be programmed to dispense the food at restricted timings of the day.

5. A machine where according to all preceding claims is housed in an external enclosure, when electricity is supplied through its solar panel, batteries and external sources shall allow advertisements in the form of prints that can be by light illuminated from within the enclosure

6. A machine where according to preceding claims, external housing will additionally be able to install and secure panels with decorative fixtures that will allow the housing to be camouflaged or aesthetically designed.

7. A machine where according to preceding claims, include a solar panel with supporting accumulators and batteries that will store electricity to power up internal and other external

devices around its vicinity including testing-measurement devices, pumps and vicinity lightings.

8. A Vending machine that utilize wireless technologies such as Cellular mobile - GSM , CDMA , 3G , HSPDA, Wireless Braodband , Wifi , Wimax to allow remote access and communications for daily maintenance to upload sales data and other ancillary services such as download video recordings, upload MP3 voice narrations and monitoring services.

9. A machine where according to preceding claims, includes a built-in sound recorder and a miniature camera that can record on MPEG and be activated by a remote sensor to record activities around its vicinity.

10. A machine where according to preceding claims, includes a built-in MP3 player that will broadcast voice and music recordings to passer-by.

11. A machine where according to preceding claims, can install modular display panels to be stationed standalone as a kiosk, and be appreciated at any angle to view information printed on its sides, the viewing and reading of the information may further be accompanied by music, narration and lighting.

12. A machine where according to preceding claims, that can plug-in a mini-ITX or other general computer main-boards and CPU to function as an automated machine that can provide local security monitoring, user voice guidance and a narration of the services it provides to its surroundings.