

CLAIMS

1. An inventory control system comprising:
a storage device including a plurality of storage locations for storing objects;
a sensing system configured to associate the storage device with a first location and with a second location;
a data storage configured to store configurable data of the storage device; and
one or more processors communicatively coupled to the storage device and the sensing system, the one or more processors configured to:
in response to receiving information associating the storage device with the first location from the sensing system, send configurable data corresponding to the first location to the storage device; and
in response to receiving information associating the storage device with the second location from the sensing system, send configurable data corresponding to the second location to the storage device.
2. The inventory control system of claim 1, wherein the sensing system includes one or more GPS devices of the storage device.
3. The inventory control system of claim 1, wherein the sensing system includes:
a first network communication device capable of communicating with the storage device and corresponding to the first location; and
a second network communication device capable of communicating with the storage device and corresponding to the second location.
4. The inventory control system of claim 1, wherein the sensing system includes:
a first sensing system corresponding to the first location and configured to detect presence of the storage device at the first location, the first sensing system comprising one or more of: an RFID sensor, a wireless sensor including a Bluetooth sensor, a camera, a contact sensor, an electromagnetic sensor, or a weight sensor; and
an access control device configured to receive information corresponding to a user of the storage device and associate the storage device with the second location based on the information corresponding with the user.
5. The inventory control system of claim 4, wherein the one or more processors

are configured to determine a location based on a triangulation using the Bluetooth sensor.

6. The inventory control system of claim 4, wherein the second location is a work location from a work order assigned to the user. The inventory control system of claim 6, wherein the configurable data corresponding to the second location includes a list of stored objects in the storage device associated with the second location.

7. The inventory control system of claim 1, wherein the processor is further configured to:

- maintain a location status for the storage device;
- receive information indicating a change to data corresponding to the first location; and
- if the location status for the storage device indicates the storage device is at the first location, send configurable data corresponding to the changed data at the first location to the storage device.

8. The inventory control system of claim 1, wherein the storage device is configured to generate transaction records of events at the first and second locations.

9. The inventory control system of claim 1, wherein the one or more processors are configured to initiate an audit for the storage device in response to receiving information associating the storage device with the first location from the sensing system.

10. The inventory control system of claim 7, further comprising a user interface configured to display the configurable data corresponding to the second location.

11. A method for an inventory control system, comprising the steps of:
storing a plurality of objects in storage locations of a storage device;
storing, with a data storage, configurable data of the storage device;
associating, with a sensing system, the storage device with a first location;
in response to associating the storage device with the first location, sending configurable data corresponding to the first location to the storage device;
after sending configurable data corresponding to the first location to the storage device, associating, with the sensing system, the storage device with a second location; and
in response to associating the storage device with the second location, sending configurable data corresponding to the second location to the storage device.

12. The method of claim 11, wherein the sensing system includes one or more GPS devices of the storage device and the step of associating, with the sensing system, the storage device with the first and second locations is based on the one or more GPS devices determining that the storage device is located at the first and second locations, respectively.

13. The method of claim 11, further comprising the step of:
communicating with the storage device by a first network communication device corresponding to the first location;
communicating with the storage device by a second network communication device corresponding to the second location;
wherein sensing system includes the first and second network communication devices, the step of associating, with the sensing system, the storage device with the first location is based on the first network communication device communicating with the storage device, and the step of associating, with the sensing system, the storage device with the second location is based on the second network communication device communicating with the storage device.

14. The method of claim of claim 11, further comprising the step of:
detecting the storage device at the first location, with a first sensing system of the sensing system that corresponds to the first location, the first sensing system comprising one or more of: an RFID sensor, a camera, a contact sensor, an electromagnetic sensor, or a weight sensor, wherein the step of associating, with the sensing system, the storage device with the first location is based on the first sensing system detecting the storage device at the first location; and
receiving, with an access control device of the sensing system, information corresponding to a user of the storage device, wherein the step of associating, with the sensing system, the storage device with the second location is based on the access control device receiving information corresponding to the user of the storage device.

15. The method of claim of claim 11, further comprising the step of:
initiating an audit for the storage device after associating the storage device with the first location.

16. A non-transitory computer-readable medium storing executable instructions for carrying out a process comprising the steps of:

monitoring presence of a plurality of objects in storage locations of a storage device;
storing, to a data storage, configurable data of the storage device;
receiving a first message from a sensing system associating the storage device with a first location;
in response to receiving the first message, sending configurable data corresponding to the first location to the storage device;
receiving a second message, after the first message, from the sensing system associating the storage device with a second location; and
in response to receiving the second message, sending configurable data corresponding to the second location to the storage device.

17. The medium of claim 16, wherein the first and second messages are generated based on one or more GPS devices, of the sensing system, determining that the storage device is located at the first and second locations, respectively.

18. The medium of claim 16, wherein the first and second message are generated respectively based on a first network communication device, corresponding to the first location, communicating with the storage device, and a second network communication device, corresponding to the second location, communicating with the storage device.

19. The medium of claim of claim 16,
wherein the first message is generated based on a first sensing system, of the sensing system, detecting the storage device at the first location, the first sensing system comprising one or more of: an RFID sensor, a camera, a contact sensor, an electromagnetic sensor, or a weight sensor; and
wherein the second message is generated based on an access control device of the sensing system receiving information corresponding to a user of the storage device.

20. The medium of claim of claim 16, the process further comprising the step of: initiating an audit for the storage device after receiving the second message.