

WHAT IS CLAIMED IS:

1. A temporary/visitor identification badge system, comprising:
 - an image relaying device for communicating an electronic image of a person or a person's name, record ID number or other identifying mark or information;
 - a base station or power cable for charging the badge(s) and/or communicating with the image relaying device, the base station having at least one docking receptacle;
 - a readiness indicator; and/or
 - a reusable badge having: a housing; a buzzer or vibration device; a colored e-paper display or colored film placed over a black and white e-paper display or gray-scale e-paper display or black and white e-paper display; a Wi-Fi transponder or Bluetooth transponder or GPS chip and associated circuitry for Real-Time Location Tracking (RTLS) or Global Positioning System (GPS) location tracking, and/or a Wi-Fi or Bluetooth transponder for communication and data transfer with the badge including an electronic image of a person or a person's name, record ID number or other identifying mark or information; and internal electrical components comprising components that physically self-destruct and/or automatically erase information, software, or firmware that relates to the use of the reusable badge;
 - the housing adapted to be docked in the at least one docking receptacle of the base station, for charging the badges and/or for communicating the electronic image from the base station to the e-paper display when the housing is docked in the at least one docking receptacle of the base station or charging cable;
 - the e-paper display adapted to maintain the electronic image received from the image relaying device when the reusable badge is removed from the at least one docking receptacle of the base station;
 - the readiness indicator adapted to indicate when the base station has completed communication of the electronic image to the reusable badge, whereby the reusable badge is ready for use and removal from the base station;
 - wherein the base station is adapted to erase the electronic image from the e-paper display when the reusable badge is re-docked into the at least one docking receptacle of the base station;
 - wherein the reusable badge further comprises an RFID tag; and/or
 - wherein the reusable badge further comprises a power supply.
2. The identification badge system according to claim 1 wherein the reusable badge is encoded with identification or information readable using Wi-Fi backscattering.

3. The identification badge system according to claim 1 further comprising a storage location apart from the badge or the base station for receiving and storing badge location tracking information.
4. The identification badge system of claim 1 wherein the e-paper display is colored with an overlying film having at least one color.
5. The identification badge system of claim 1 wherein the e-paper display is colored with e-ink.
6. The identification badge system of claim 1 wherein the system is used at a facility having RFID readers at access points in the facility and the RFID tag in the reusable badge is used to communicate with said RFID readers.
7. The identification badge system according to claim 1, wherein the base station further comprises an RFID reader for communicating with the RFID tag, whereby information is communicated to the base station, the information being selected from the group consisting of a time stamp for removing the reusable badge from the base station, a time stamp for re-docking the reusable badge at the base station, electronic image information, electronic identity information associated with the electronic image, accountable person information, authentication information, and combinations thereof.
8. The identification badge system according to claim 1, wherein the RFID tag is selected from the group consisting of HF RFID tags, UHF RFID tags, and combinations thereof.
9. The identification badge system according to claim 1, wherein the power supply is a capacitor for holding a charge sufficient to erase the electronic image from the e-paper display if the reusable badge is not re-docked within a prescribed period of time.
10. The identification badge system according to claim 1, wherein the power supply is a capacitor for holding a charge sufficient to overwrite the electronic image from the e-paper display if the reusable badge is not re-docked within a prescribed period of time.
11. The identification badge system according to claim 1, wherein the power supply is a battery.
12. The identification badge system according to claim 1, wherein the base station is further adapted to communicate additional identification information to the reusable badge and the e-paper display further comprises at least one additional page of information.
13. The identification badge system according to claim 1, wherein the image relaying device is selected from the group consisting of a scanner, a camera, a QR reader, a bar code reader, and combinations thereof.

14. The identification badge system according to claim 1, wherein the base station is adapted to dock a plurality of reusable badges.
15. The identification badge system according to claim 1, wherein the base station is adapted to connect to a computer.
16. The identification badge system according to claim 1, wherein the readiness indicator is provided on the reusable badge.
17. The identification badge system according to claim 1, wherein the readiness indicator is provided on the base station.
18. The identification badge system according to claim 1, wherein the buzzer or vibration device is provided on the base station.
19. The identification badge system of claim 6, wherein the badge further comprises internal circuitry that causes the badge to self-destruct when the badge loses contact with RFID readers in the facility.