

CLAIMS:

1. A wearable device comprising:
a first radio-frequency identification (RFID) tag;
a second RFID tag;
one or more feedback devices configured to provide feedback to a user; and
a microcontroller configured to generate a first control signal that causes a first type of feedback via the one or more feedback devices in response to interaction between electromagnetic radiation having a first frequency and the first RFID tag and to generate a second control signal that causes a second type of feedback via the one or more feedback devices in response to interaction between electromagnetic radiation having a second frequency and the second RFID tag.
2. The device of claim 1, a power harvesting circuit configured to harness power from electromagnetic radiation.
3. The device of claim 2, comprising an energy storage device configured to store the harnessed power.
4. The device of claim 1, wherein the one or more feedback devices comprise a speaker, the first type of feedback comprises a first type of audible output, and the second type of feedback comprises a second type of audible output.
5. The device of claim 1, wherein the one or more feedback devices comprise a haptic feedback device, the first type of feedback comprises a first type of tactile output, and the second type of feedback comprises a second type of tactile output.
6. The device of claim 1, wherein the one or more feedback devices comprise one or more light emitters configured to emit light, the first type of feedback comprises a first

type of illumination, and the second type of feedback comprises a second type of illumination.

7. The device of claim 6, wherein the first type of illumination comprises illuminating a first light emitter of the one or more light emitters, and the second type of illumination comprises illuminating a second light emitter of the one or more light emitters.

8. The device of claim 6, wherein the first type of illumination comprises a first color, and the second type of illumination comprises a second color, different from the first color.

9. The device of claim 6, wherein the first type of illumination comprises illuminating at least one of the one or more light emitters continuously over time, and the second type of illumination comprises illuminating at least one of the one or more light emitters intermittently to blink over time.

10. The device of claim 1, wherein the first RFID tag is configured to receive ultra-high frequency (UHF) electromagnetic radiation and the second RFID tag is configured to receive near-field communication (NFC) electromagnetic radiation.

11. The device of claim 1, wherein the first RFID tag is a read/write RFID tag, and the microcontroller is configured to generate a third control signal that causes a third type of feedback via the one or more feedback devices in response to data being written to the first RFID tag.

12. The device of claim 1, wherein the microcontroller is configured to generate a third control signal that causes a third type of feedback via the one or more feedback devices in response to interaction between electromagnetic radiation having the first

frequency and the first RFID tag and interaction between electromagnetic radiation having the second frequency and the second RFID tag.

13. A system, comprising:
- a wearable device comprising a first radio-frequency identification (RFID) tag comprising a first memory that stores respective identification information;
 - a first reader configured to transmit electromagnetic radiation comprising a first frequency that enables the first reader to read the respective identification information from the first memory and to write data to the first memory of the first RFID tag;
 - one or more light emitters supported by the wearable device; and
 - a microcontroller supported by the wearable device and configured to receive at least one of a first signal indicative of receipt of the transmitted electromagnetic radiation at the first RFID tag and a second signal indicative of the data written to the first memory, wherein the microcontroller is configured to generate a control signal that causes at least one of the one or more light emitters to illuminate based on the received first signal or the received second signal.
14. The system of claim 13, comprising a power harvesting circuit of the wearable device configured to harness power from the transmitted electromagnetic radiation, wherein the one or light emitters and the microcontroller are configured to utilize the power.
15. The system of claim 13, comprising:
- a second RFID tag supported by the wearable device comprising a second memory that stores respective identification information; and
 - a second reader configured to transmit electromagnetic radiation comprising a second frequency that enables a second reader to read the respective identification information from the second memory.

16. The system of claim 15, wherein the microcontroller is configured to receive the first signal indicative of receipt of the electromagnetic radiation comprising the first frequency at the first RFID tag and a third signal indicative of receipt of the electromagnetic radiation comprising the second frequency at the second RFID tag, and the microcontroller is configured to generate the control signal that causes a first type of illumination of the one or more light emitters in response to receipt of the first signal and to generate a second control signal that causes a second type of illumination of the one or more light emitters in response to receipt of the third signal.

17. The system of claim 13, wherein the first reader is configured to write data indicative of a wait time for a ride of an amusement park to the first memory of the first RFID tag, and the control signal causes the at least one of the one or more light emitters to illuminate in a pattern that indicates the wait time.

18. A method, comprising:
transmitting electromagnetic radiation comprising a first frequency from a first reader;
transmitting identification information from a first radio-frequency identification (RFID) tag supported by a wearable device to the first reader in response to receipt of the transmitted electromagnetic radiation comprising the first frequency;
receiving, at a microcontroller supported by the wearable device, a first signal from the first RFID tag that indicates receipt of the electromagnetic radiation comprising the first frequency at the first RFID tag; and
generating a first control signal, using the microcontroller, in response to receipt of the first signal at the microcontroller, wherein the first control signal causes one of a plurality of available types of illumination of one or more light emitters supported by the wearable device.

19. The method of claim 18, comprising:
- transmitting electromagnetic radiation comprising a second frequency from a second reader;
 - receiving, at the microcontroller, a second signal from a second RFID tag supported by the wearable device that indicates receipt of the electromagnetic radiation comprising the second frequency at the second RFID tag; and
 - generating a second control signal, using the microcontroller, in response to receipt of the second signal at the microcontroller, wherein the second control signal causes another one of the plurality of available types of illumination of the one or more light emitters supported by the wearable device.
20. The method of claim 19, comprising harvesting power from the transmitted electromagnetic radiation using a power harvesting circuit of the wearable device and utilizing the harvested power to operate the microcontroller and the one or more light emitters.