Claims

1. A system for activated communication between an object and a reader, the system comprising a first radio frequency tag (11) attached to the object, the first radio frequency tag being configured for communication with the reader when the first radio frequency tag is active,

   characterized in that the system further comprises a second radio frequency tag (12) attached to the object,

   wherein the second radio (12) frequency tag is configured to be activated when the object enters an RF field (310) operating at the frequency of the second radio frequency tag,

   wherein the second radio frequency tag (12) is configured to activate the first radio frequency tag when activated by the RF field (310).

2. A system according to any of claim 1, wherein the RF field is a VLF field and the first radio frequency tag is a Bluetooth component configured to send information to the reader periodically when active.

3. A system according to claim 1, wherein the RF field is a VLF field and the first frequency tag is a Bluetooth component configured to return to a sleep mode when the object exits the RF field.

4. A system according to any of claims 1 to 3, wherein the object is a wearable mobile base adapted to be worn by a person.

5. A system according to any of claims 1 to 4, wherein the object also comprises a proximity-based communicating tag.

6. A system according to claim 4, wherein the object is a wristband configured to be worn by a person.

7. A system according to one of claims 1 to 6, wherein the first radio frequency tag (11) and the second radio frequency tag (12) operate at different frequencies.

8. A system according to claim 7, wherein the first radio frequency tag (11) is a high frequency (HF) unit and the second radio frequency tag (12) is a low frequency (LF) unit.

9. A system according to one of claims 1 to 8, comprising one or more RF fields for activating the second radio frequency tag, wherein the RF fields (310) each have a limited range in a non-emergency situation, for covering an entrance such as a door, and where the range of each field is configured to be enlarged in emergency situations to cover an entire room.

10. A system according to claim 5 when dependent on claim 4, where the first radio frequency tag (11) is configured for radio frequency triangulation or positioning of the mobile base (100) and for communicating health, safety and environment (HSE) related components,

the system comprises a controller (400) in communication with the mobile base (100) and configured to activate the mobile base (100) in response to a proximity based communication reader or scanner (200) recognizing the proximity based communication tag (13) on the mobile base (100) and communicating this to the controller (400). .

11. A system according to claim 10, wherein the proximity based communication tag (13) and reader (200) are NFC components.

12. A system according to one of claims 1 to 11, wherein the first radio frequency tag is a Bluetooth component.

13. A system according to claim 10, wherein the system is configured to receive and collect information relating to health, safety, and/or environment (HSE) from sensors integrated with the mobile base for detecting heart rate, temperature, acceleration, or air toxicity.

14. A method for activated communication between an object and a reader, comprising the reader, a first radio frequency tag (11) attached to the object, and a second radio frequency tag (12) attached to the object,

characterized in that the method comprises the steps of:

-activating the second radio frequency tag when the object enters a radio frequency field (310) operating at the frequency of the second radio frequency tag

-activating the first radio frequency tag by the second radio frequency tag

- communicating with the reader by the first radio frequency tag once the first radio frequency tag is activated.