## Claims

1. A ~~S~~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).

~~1. supervising a person in an area, the system comprising a mobile base (100), such as for example a wristband, attached to the person, the mobile base (100) comprising a first radio frequency tag (11) prepared for radiofrequency triangulation or positioning for deciding a position of the mobile base (100) and for communicating health, safety and environment (HSE) related components, the system comprising a controller (400) in communication with themobile base (100) characterized in that the mobile base also comprises a proximity based communication tag (13) activation of the mobile base (100) is to be decided by 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), the controller being prepared to activate the monitoring system~~.

2. A ~~S~~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. ~~system comprises lock control, acomputer being prepared to unlock a lock (500), a fixed position of the lock (500) being prearranged in the computer; and proximity and identity verification of the mobile base (100) to the lock (500) preparedto be decided with a proximity based communication reader in communication with and positioned proximate to the lock (500); the reader being able to detect a proximity based communication tag (13) on the mobile base being proximate to the reader and communicating this to the computer, the computer being prepared to unlock the lock on this condition.~~

3. A ~~S~~system according to claim 1 ~~or 2~~, 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. ~~the proximity based communication tag (13) and reader (200) are NFC components.~~

4. A ~~S~~system according to ~~one~~ any of claims 1 to 3, wherein the object is a wearable mobile base adapted to be worn by a person. ~~proximity based communication reader (200) is prepared to read the proximity based tag (13) at adistance smaller than 20cm.~~

5. A ~~S~~system according to any ~~one~~ of claims 1 to 4, wherein the ~~first radio frequency tag is a Bluetooth component~~object also comprises a proximity-based communicating tag.

6. A ~~S~~system according to ~~one of~~ claim~~s~~ ~~1 to~~ 4, wherein the ~~first radio frequencytag is a Bluetooth Low Energy (BLE) component~~object is a wristband configured to be worn by a person.

7. A ~~S~~system according to one of claims 1 to 6, wherein ~~the mobile base (100) comprises a second radio frequency tag for activating~~ the first radio frequency tag (11)~~,~~ and ~~where~~ the second radio frequency tag (12) operate at different frequencies~~is activated by entering a corresponding frequency field (310)~~.

8. A ~~S~~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~~tag, or preferably a very low frequency (VLF) tag~~.

9. A ~~S~~system according to ~~as in~~ 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.~~ further characterized in the system beingprepared for receiving and collecting information from sensors (22, 23) related to health, safety, and/or environment (HSE), the sensors being integrated with the mobile base (100) and detecting e.g. heart rate, temperature, acceleration or airtoxicity.~~

10. A ~~S~~system ~~as in one of~~according to claim~~s~~ ~~1 to 9~~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). ~~, wherein the system comprises meansfor transmitting information from a server to a radio frequency receiver to e.g. a vibration motor (24) or a display (21) integrated with the mobile base (100) intendedto provide the person being supervised with information~~.

11. A system according to claim 10, wherein the proximity based communication tag (13) and reader (200) are NFC components. ~~Method for supervising a person using the system as in claim 1 to 10, **characterized in** that the method comprises the steps of:~~

- a proximity based communication reader (200) registering the entrance to an areaof a person wearing a mobile base (100) when the person presents the mobile basewith a proximity based communication tag (13) to the proximity based communication reader (200);

- the reader (200) transmitting information regarding the entrance from the reader to a controller (400);

-the controller (400) initiating supervision of the person wearing the mobile base (100) by radio frequency;

-the controller (400) supervising the person wearing the mobile base (100) by radio frequency;

-the user presenting the mobile base (100) with the proximity based communication tag (13) to the proximity based communication reader (200); and

- the controller (400) terminating supervision of the person wearing the mobile base (100)

12. A system according to one of claims 1 to 11, wherein the first radio frequency tag is a Bluetooth component.Method as in claim 11 also including the step of communicating additional information from HSE-related sensors (22, 23) to and from the mobile base (100).

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.Method as in claim 11 or 12 also including the steps of using a secondradio frequency tag to activate the first frequency tag during supervision period inside a designated area, after the proximity based communication activation has occurred, wherein the second tag is activated upon entrance to a frequency field (310) operating at a frequency corresponding to the second tag.

14. A method system 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,comprising a first radio unit (11) attached to the object, the first radio unit being configured for communicating with the reader,

**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.

system further comprises a second radio unit (12) attached to the object, wherein the second radio (12) unit is adapted to be activated by a RF field (310),

wherein the second radio unit (12) when activated by the RF field (310)activates the first radio unit (11).

15. The system according to claim 14, wherein the object also comprises a proximity based communication tag, such as an NFC tag.

16. The system according to claim 14 or 15, wherein the object is a wristband to be worn by a person.

~~17. The system according to claim 14 or 15, wherein the system is used to activate a first radio unit in a system according to claim 1.~~

~~18. The system according to one of claims 14 to 17, wherein the first radio unit (11) and the second radio unit (12) operates at different frequencies.~~

~~19. The system according to claim 18, wherein the first radio unit (11) is a high frequency (HF) unit and the second radio unit (12) is a low frequency (LF) unit, preferably a very low frequency (VLF) unit.~~

20. System according to one of claims 14 to 19, wherein the radio frequencyfields (310) for activating the second radio unit (11) each has a limited range in a normal situation, for covering an entrance such as a door, and where the fields are configured to be enlarged for special situations such as emergency situations, hencecovering an entire room each.

21. Method for activated communication between an object and a reader,using the system as in claims 14 to 20, **characterized in** that the method comprises the steps of:

- the second radio frequency tag being activated when the object with the tag enters a radio frequency field (310).
- the second radio frequency tag activating the first radio frequency tag
- the first radio frequency tag being prepared for communication with a reader when activated.

22. Method according to claim 21, wherein the method is a step within themethod according to claim 11, taking place after the controller has initiated supervision of the person