CLAIMS

1. A method for configuring a pest control system, said pest control system comprising a

gateway and a number of nodes arranged to communicate with each other via wireless data communication;

wherein said wireless data communication is performed by using a rendezvous frequency for adding nodes to the system and a network communication frequency for communication between the nodes in the system;

wherein said gateway is further arranged to communicate via a mobile network with a backend server or a mobile device using an external network communication unit;

wherein said gateway comprises a gateway memory holding a list of frequencies comprising at least one rendezvous frequency and at least one matching network communication frequency, said at least one rendezvous frequency and said at least one network communication frequency being linked to geographical location data;

said gateway memory further comprises an encryption module and a decryption module for enabling safe communication with the nodes; and

wherein each node comprises a node memory holding a list of frequencies comprising rendezvous frequencies and network communication frequencies, the network communication frequencies being matched to the rendezvous frequencies, respectively,

said node memory further comprises an encryption module and a decryption module for enabling safe communication with the gateway or other nodes;

said method comprising;

by the gateway:

- determining, the geographical location data based on data received from the mobile network;
- identifying a selected rendezvous frequency and a selected network communication frequency in the gateway memory based on the determined geographical location data;
- broadcasting encrypted data on the selected rendezvous frequency; wherein the encrypted data is encrypted by using the encryption module of the gateway; and

by each of the nodes:

- scanning through a number of candidate frequencies provided in the list of frequencies of the node memory until the selected rendezvous frequency is identified;

for each candidate frequency:

- capturing data transmitted;
- in case the captured data is successfully decrypted by the decryption

module of the current node:

- assigning the current candidate frequency as selected rendezvous frequency for the current node;
- identifying a selected network communication frequency matching the selected rendezvous frequency by using the list of frequencies held in the node memory of the current node, thereby enabling wireless data communication at the selected network communication frequency.

2. The method according to claim 1, wherein the current node is configured to transmit, upon successful identifying of the selected network communication frequency, a confirmation message on the selected rendezvous frequency to the gateway.

3. The method according to claim 1 or 2, wherein the method further comprises transmitting data between the nodes by using the selected network communication frequency.

4. The method according to any one of claims 1 to 3, wherein said geographical location data comprises a Mobile Country Code, MCC.

5. The method according to any one of claims 1 to 4, wherein the list of frequencies of the gateway and/or the number of nodes comprises pairs of rendezvous frequencies and network communication frequencies.

6. The method according to any one of claims 1 to 5, wherein each of the number of nodes is configured to perform the scanning through a number of candidate frequencies, by scanning through a number of rendezvous frequencies for beacons for a set time period at the time, and wherein the captured data pertains to a beacon broadcasted by the gateway.

7. A pest control system comprising:

a gateway and a number of nodes; wherein the gateway and the number of nodes, each comprises a wireless data communication unit, for wireless data communication with each other, said wireless data communication unit being configured to perform wireless data communication using a rendezvous frequency for adding nodes to the system and a network communication frequency for communication between the nodes in the system;

wherein said gateway comprises an external network communication unit for communicating, via a mobile network, with a backend server or a mobile device; and

wherein said gateway comprises a gateway memory holding a list of frequencies comprising at least one rendezvous frequency and at least one network communication frequency, said at least one rendezvous frequency and said at least one network communication frequency being linked to geographical location data;

said gateway memory further comprises an encryption module and a decryption module for enabling safe communication with the nodes; and

wherein each node comprises a node memory holding a list of frequencies comprising rendezvous frequencies and network communication frequencies, the network communication frequencies being matched to the rendezvous frequencies, respectively;

said node memory further comprises an encryption module and a decryption module for enabling safe communication with the gateway or other nodes; and

wherein the gateway is further configured to:

- determine the geographical location data based on data received from the mobile network;
- identifying in the gateway memory a selected rendezvous frequency and a selected network communication frequency based on the determined geographical location data;
- broadcasting by using the wireless data communication unit encrypted data on the selected rendezvous frequency; wherein the encrypted data is encrypted by using the encryption module of the gateway; and

wherein each of the nodes is configured to:

- scan through a number of candidate frequencies provided in the list of frequencies of the node memory until the selected rendezvous frequency is identified;

for each candidate frequency:

- capture data transmitted;
    - in case the captured data is successfully decrypted by the decryption module of the current node:
        - assign the current candidate frequency as selected rendezvous frequency for the current node;
        - identify a selected network communication frequency matched to the selected rendezvous frequency by using the list of frequencies held in the node memory of the current node, thereby enabling wireless data communication at the selected network communication frequency.

8. The system according to claim 7, wherein at least one of the nodes is a pest control device.

9. The system according to claim 8, the pest control device is a trap device for an animal or an insect, a monitoring device, or both a trap and a monitoring device.

10. The system according to claim 9, wherein each node is a pest control device, and each pest control device is arranged to communicate via wireless data communication whether or not an animal or an insect is trapped and/or registered by the pest control device using the selected network communication frequency.

11. A pest control device configured to be used as a node in a system forming a network of pest control devices, the pest control device comprises a wireless data communication unit configured to perform wireless data communication using a rendezvous frequency for adding nodes to the system and a network communication frequency for wireless data communication between the pest control devices in the system, the pest control device further comprises a node memory holding a list of frequencies comprising rendezvous frequencies and network communication frequencies, the network communication frequencies being matched to the rendezvous frequencies, respectively; said node memory further comprises an encryption module and a decryption module for enabling safe communication with a gateway or other pest control devices;

wherein the pest control device is configured to:

- scan through a number of candidate frequencies provided in the list of frequencies of the node memory until the selected rendezvous frequency is identified;

for each candidate frequency:

- capture data transmitted;
- in case the captured data is successfully decrypted by the decryption module:
- assign the current candidate frequency as selected rendezvous frequency;
- identify a selected network communication frequency matched to the selected rendezvous frequency by using the list of frequencies held in the node memory, thereby enabling wireless data communication at the selected network communication frequency.

12. The pest control device according to claim 11, wherein the pest control device is a trap device for an animal or an insect, a monitoring device, or both a trap and a monitoring device.

13. The pest control device according to claim 12, wherein the monitoring device comprises a sensor for detecting an animal or an insect, and wherein the monitoring device is configured to signal, via wireless data communication and using the selected network communication frequency, whether an animal or an insect is detected or not.

14. The pest control device according to claims 12 or 13, wherein the trap device is further arranged to be in a loaded state or an unloaded state, and wherein the trap device comprises a state sensor for determining the state of the trap device, and wherein the trap device is further configured to signal, via wireless data communication using the selected network communication frequency, the state the trap device.

15. A gateway configured to be used in a system forming a network of pest control devices, said pest control devices being configured to be used as nodes in the network, wherein said gateway comprises a wireless data communication unit for wireless data communication with the pest control devices, said wireless data

communication unit being configured to perform the wireless data communication using a rendezvous frequency for adding nodes to the network and a network communication frequency for communication between the nodes in the system;

wherein said gateway comprises an external network communication unit for communicating, via a mobile network, with a backend server or a mobile device; and

wherein said gateway comprises a gateway memory holding a list of frequencies comprising at least one rendezvous frequency and at least one network communication frequency, said at least one rendezvous frequency and said at least one network communication frequency being linked to geographical location data;

said gateway memory further comprises an encryption module and a decryption module for enabling safe communication with the pest control devices; and

wherein the gateway is further configured to:

- determine the geographical location data based on data received from the mobile network;
- identifying in the gateway memory a selected rendezvous frequency and a selected network communication frequency based on the determined geographical location data;
- broadcasting by using the wireless data communication unit encrypted data on the selected rendezvous frequency; wherein the encrypted data is encrypted by using the encryption module of the gateway.