

## CLAIMS

1. Method for connecting users using at least two communicating objects, comprising the steps of:

creating, for each communicating object, a user account comprising at least one single identifier field for identifying a user associated with a communicating object on a hardware server;

associating at least one already existing user's profile account on a profile account network to the user account associated with the user by the hardware server by:

obtaining, from an holder of the profile account network, an authorization allowing an interconnection between the hardware server and a database of a corresponding network different from a server database;

importing data concerning an already existing user's profile in the server database;

downloading the data towards a corresponding communicating object to unify all identities of the user for said at least one already existing user's profile account to a single identifier field of said corresponding communicating object; and

wherein said at least one already existing user's profile account comprises at least one account among an account of a social network, an account of a professional network or an account stored in a customer database;

incorporating and storing the user accounts and the associated profile account of all users in a general database by the server;

determining search keys for a communicating object sought by the user's communication object, the search keys corresponding to fields of the user account or the associated profile account;

determining detection keys for the communicating object, the detection keys corresponding to the fields of the user account or the associated profile account and permitting the communication object to be detected by other communicating objects;

detecting detectable communicating objects by a detecting communicating object within a framework of an authenticated and protected connection without the intervention of the user of the detecting communicating object nor the users of detectable communicating objects;

exchanging fields of the user accounts or associated profile accounts, the detection keys and the search keys between the detecting communicating object and the detected communicating objects;

identifying common keys between the search keys of the detecting communicating object and the detection keys of a detected communicating object, comparing values of the common keys between the detecting communicating object and the detected communicating object by at least the detecting communicating object;

in response to a determination that the values of the common keys are equal to or within predefined proximity of each other, notifying the user of the detecting communicating object that at least one communication object partially or completely corresponding to the search keys has been detected by a signal emitted by the detecting communicating object and connecting the detecting communication object and the detected communication object;

inviting contacts identified by the user's communicating object to join a contact network of the user for each user's profile account; and

notifying the contacts of the contact network of the user about events resulting from an activity the user had through the user's communicating object, thereby transposing a real life activity of the user using the user's communicating object to each virtual identity corresponding said each user's profile account.

2. Method according to claim 1, further comprising the step of determining the single identifier from a serial number of the communicating object.
3. Method according to claim 1, wherein the user account further comprises activity fields for storing activities of the communicating object comprising at least one of the following: connections to the other communicating objects, exchanges with other communicating objects via recorded text messages, or a language used in the fields of the user account.

4. Method according to claim 1, further comprising the step of establishing a point-to-point connection between two communicating objects.

5. Method according to claim 1, further comprising the steps of measuring a distance between the detecting communicating object and the detected communicating object, and notifying the user of the detecting communicating object of the distance.

6. Method according to claim 5, wherein the step of measuring further comprises the steps of:

synchronizing clocks of transponders of the detecting communication object and the detected communicating objects to define a reference point common to both transponders;

emitting a reference signal in a synchronized and bilateral way by each transponder;

measuring from the reference point an elapsed time for receiving the reference signal emitted by a transponder of one of either detecting or detected communicating object by the other communicating object;

measuring, in a reciprocal way, phases and gains of the reference signal received by one of either detecting or detected communication object, the received reference signal corresponding to the reference signal emitted by the transponder of other communicating object;

filtering parasitic phases of the received reference signal; and

calculating the distance from the filtered phases and from the measured gains of the received signals.

7. Method according to claim 1, further comprising the step of detecting connection occurrences between the communicating objects.

8. Method according to claim 7, further comprising the steps of:

defining a standard profile of the search keys and the detection keys utilized by the user of the communicating object by the server;

comparing the standard profile with a list of detection and search keys of the user accounts stored in the general database by the server;

notifying the user of a relevance level of identified profiles determined from a comparison between the standard profile, and the detection and search keys of the user accounts stored in the general database by the server; and

proposing to each user a reciprocal and gradual identification via the communicating object by the server.

9. Method according to claim 1, further comprising the step of establishing the authenticated and protected connection between the communicating objects by:

emitting a detection signal towards all the detectable communicating objects by the detecting communicating object, the detection signal comprising a datum ciphered by a private key/public key system including the identifier of the detecting communicating object;

exchanging data according to protocol 802.11 authenticated and protected by the ciphered data exchanged based on protocol 802.15.4; and

normalizing frames corresponding to the exchanged data to allow a protected point-to-point connection between the detecting communicating object and the detected connecting objects.

10. Method according to claim 9, further comprising the step of emitting the detection signal gradually by controlling an emission power of the detection signal based on a predetermined number of communicating objects to be detected.

11. Method according to claim 1, further comprising the step of geo-locating communicating objects having no integrated GPS system.

12. Method according to claim 11, wherein a communicating object has a connection established with a set of communicating objects; and wherein an external WIFI radio terminal is accessible by at least one of the communicating objects; and further comprising the steps of:

locating the external WIFI radio terminal by an identifier of the terminal to obtain GPS co-ordinates of the terminal; and

interpolating estimated positions of the communicating objects respect to the terminal with the GPS co-ordinates of the terminal to obtain an estimated position of each communicating object.

13. Method according to claim 1, further comprising the steps of transmitting service data relating to a technical configuration of the communicating object and adapting the connection according to the service data.

14. Method according to claim 13, further comprising the step of compacting audio data, video data or audio/video data exchanged between the detected communicating and the detecting communication object by the detected communicating object if it has an accumulator charge state higher than that of the detecting communicating object.

15. Method of claim 1, wherein the profile account is one or more of the following: a professional network account, a social network accounts or an account memorized in a customer database.

16. A communicating object for implementing the connection method according to claim 1, comprising a processor and computer executable code comprising instructions for the processor to control a detection of other communicating objects, to identify and compare detection and search keys, to notify a user and to establish a connection with other communicating objects.