Claims

1. System (1) for providing messages to a user of a refuse container (2), comprising a refuse container (2) having an electronic control unit (3), which unit comprises a first communication interface (4) for sending and receiving data, and said system comprising a server (5), which comprises a second communication interface (6), an authentication manager (7) and a database (8),
characterised in that
a transfer of identification data (11) between the first communication interface (4) and a third communication interface (10) of a communication apparatus (9) can be initiated before the refuse container (2) is used, the authentication manager (7) assigning user data (12) from the database (8) to the identification data (11) and making said user data (12) available to an information provider (13), after which the information provider (13) sends an information message (14) for the user to the communication apparatus (9), wherein the transfer of identification data (11) between the first (4) and the third communication interface (10) takes place via a first communication channel (15), the first communication channel (15) using wireless technology, wherein the first communication interface (4) sends the identification data (11) to the second communication interface (6) of the server (5) via a second communication channel (16), the second communication channel (16) being a mobile radio connection.

2. System according to claim 1,
characterised in that
the communication apparatus (9) is a portable data-processing apparatus comprising a display device (9a), for example a mobile telephone, a smartphone, a tablet or a laptop.

3. System according to either claim 1 or claim 2,
characterised in that
the wireless technology is NFC technology or RFID technology.

4. System according to any of the preceding claims,
characterised in that
the mobile radio connection is a GSM connection or a UMTS connection or a GPRS

connection or an LTE connection.

5. System according to any of the preceding claims,
characterised in that
the refuse container (2) comprises a port device (18) having a locking mechanism (19), the authentication manager (7) authenticating the user using the user data (12) and, after authentication, sending a release signal (20) for unlocking the locking mechanism (19).

6. System according to any of the preceding claims,
characterised in that
the refuse container (2) comprises a GPS device (21) and/or at least one sensor device (22), the refuse container (2) comprising a power supply (23) for the electronic controller (3) and/or the locking mechanism (19) and/or the GPS device (21) and/or the at least one sensor device (22).

7. System according to any of the preceding claims,
characterised in that
the information message (14) contains information regarding the refuse container (2) and/or the waste thrown therein and/or the nearest refuse container.

8. System according to any of the preceding claims,
characterised in that
the information message (14) contains official information and/or personalised information for advertising purposes.

9. System according to any of the preceding claims,
characterised in that
the information provider (13) is associated with the server (5) or is an external device.

10. Method for providing messages to users of a refuse container (2), wherein the refuse container (2) comprises an electronic control unit (3) having a first communication interface (4) for sending and receiving data, said method comprising the steps of:
    - initiating a transfer of identification data (11) between a first communication interface (4) and a communication apparatus (9) comprising a third communication interface (10) before the refuse container (2) is used;
    - transmitting the identification data (11) to a server (5) comprising a second communication interface (6);
    - receiving the identification data (11) by means of the second communication interface (6) and delivering the identification data (11) to an authentication manager (9) of the server (5);
    - assigning user data (12) from a database (8) of the server (5) to the identification data (11) by means of the authentication manager (9);
    - providing the user data (12) to an information provider (13);
    - sending an information message (14) for the user to the communication apparatus (5) by means of the information provider (13)

    wherein the transfer of identification data (11) between the first (4) and the third communication interface (10) takes place via a first communication channel (15), the first communication channel (15) using wireless technology, wherein the first communication interface (4) sends the identification data (11) to the second communication interface (6) of the server (5) via a second communication channel (16), the second communication channel (16) being a mobile radio connection.