Claims

1. A building system (1) having an elevator system (1), comprising:

a controller system (18) configured to control the elevator system (1) to move an elevator car (14) between floors of a building;

a registration computer system (4) communicatively coupled to the controller system (18), wherein the registration computer system (4) is configured to generate an activation code for a user (2) requesting elevator service, to store data associated with the activation code, and to have at least one system component (32) of the registration computer system (4) user-accessibly located in a public zone (3) of the building, wherein the activation code encodes user information including at least one of a user identity, an encryption key and access rights of the user (2) in the building, and is configured to activate, upon being provided to a mobile communications device (20) of the user (2) located in proximity of the at least one system component (32), a software application (APP) installed on and being executable by the mobile communications device (20), wherein the activated software application (APP) is configured to generate a graphical user interface (23) on a display (21) of the mobile communications device (21), wherein displayed content of the graphical user interface (23) is predetermined solely by the coded user information of the activation code, wherein the software application (APP) is configured to generate an optical credential (47, 48, 50, 52) upon the user (2) specifying the elevator service, wherein the optical credential (47, 48, 50, 52) includes the user information; and

a credential acquisition unit (9) communicatively coupled to the controller system (18) and configured to acquire the optical credential (47, 48, 50, 52) from the mobile communications device (20) presented by the user (2) to the credential acquisition unit (9), wherein the controller system (18) is configured to cause the elevator system (1) to perform the specified elevator service upon determining that the optical credential (47, 48, 50, 52) is valid.

2. The building system (1) of claim 1, wherein the controller system (18) is configured to control the elevator system (1) according to an up/down control technology, wherein a first credential acquisition unit (9) is arranged on a building floor to provide for entry of a floor call specifying a travel direction and calling an elevator car (14a) to the

building floor, and wherein a second credential acquisition unit (9) is arranged in the elevator car (14a) to provide for entry of a car call specifying a destination floor.

3. The building system (1) of claim 1, wherein the controller system (18) is configured to control the elevator system (1) according to an up/down control technology, wherein a first floor terminal (6b) having directional push-buttons is arranged on a building floor to provide for entry of a floor call specifying a travel direction and calling an elevator car (14a) to the building floor, and wherein the credential acquisition unit (9) is arranged in the elevator car (14a) to provide for entry of a car call specifying a destination floor.

4. The building system (1) of claim 1, wherein the controller system (18) is configured to control the elevator system (1) according to a destination call control technology, and wherein the credential acquisition unit (9) is arranged on a building floor to provide for entry of a floor call specifying a destination floor and calling an elevator car (14) to the building floor.

5. The building system (1) of any preceding claim, further comprising a physical access control system configured to control access from a public zone (3) to an access-restricted zone (5, 14) and to determine if the optical credential (47, 48, 50, 52) is valid.

6. The building system (1) of any preceding claim, wherein the at least one system component of the registration computer system (4) user-accessibly located in the public zone (3) of the building is a user interface (32), wherein the user interface (32) is integrated in a self-service terminal located in a lobby of the building, or arranged at a front desk operated by building personnel.

7. The building system (1) of claim 6, wherein the user interface (32) is configured to display the activation code as a QR code (41).

8. The building system (1) of any preceding claim, wherein the optical credential (47, 48, 50, 52) is displayed as a QR code.

9. The building system (1) of any preceding claim, further comprising a communications network (22), wherein the registration computer system (4) and the

controller system (18) are communicatively coupled to the communications network (22).

10. The building system (1) of claim 9, further comprising a data storage device (24) communicatively coupled to the controller system (18) to read data from the data storage device (24), wherein the data storage device (24) stores the activation code and the user information.

11. A method of operating a building system (1) having an elevator system, the building system (1) comprising a controller system (18) configured to control the elevator system (1), a registration computer system (4) communicatively coupled to the controller system (18), and a credential acquisition unit (9) communicatively coupled to the controller system (18), comprising:

generating by the registration computer system (4) an activation code based on information contained in a user profile stored for ~~the~~ a user (2) requesting elevator service, wherein data associated with the activation code is stored in the registration computer system (4), wherein the activation code encodes user information including at least one of a user identity, an encryption key and access rights of the user (2) in the building;

releasing the activation code by the registration computer system (4) on a system component (32) of the registration computer system (4) user-accessibly located in a public zone (3) of the building to be obtained by a mobile communications device (20) of the user (2), wherein the obtained activation code activates a software application (APP) installed on and being executable by the mobile communications device (20), wherein the activated software application (APP) generates a graphical user interface (23) on a display (21) of the mobile communications device (20), wherein displayed content of the graphical user interface (23) is predetermined solely by the coded user information of the activation code, wherein the software application (APP) further generates and displays an optical credential (47, 48, 50, 52) upon the user (2) specifying an elevator service, wherein the optical credential (47, 48, 50, 52) includes the user information;

acquiring by the credential acquisition unit (9) the optical credential (47, 48, 50, 52) from the mobile communications device (20) presented by the user (2); and

controlling by the controller system (18) the elevator system (1) to perform the specified elevator service upon determining that the optical credential (47, 48, 50,

52) is valid.

12. The method of claim 11, wherein releasing the activation code includes displaying a QR code (41) using a user interface (32) of the registration computer system (4).

13. The method of claim 12, wherein acquiring the optical credential (47, 48, 50, 52) includes reading a QR code displayed on a display (21) of the mobile communications device (20) and generated by the software application (APP) based on the user information contained in the QR code.

14. The method of one of claims 11-13, wherein the controller system (18) is configured to control the elevator system (1) according to an up/down control technology, wherein the elevator service specifies a travel direction or a destination floor, or wherein the controller system (18) is configured to control the elevator system (1) according to a destination call control technology, wherein the elevator service specifies a destination floor.

15. The method of one of claims 11-14, wherein, in response to the activation code, the graphical user interface (23) displays the predetermined content without obtaining additional information external to the mobile communications device (20).