CLAIMS

1. A door system (1) for one or a plurality of doors,
wherein the door system (1) comprises a plurality of door components (4, 5, 6, 7, 8, 9, 10, 12, 13),
wherein one of the door components (4, 5, 6, 7, 8, 9, 10, 12, 13) is designed as a control unit (13), and
wherein the control unit is connected to a plurality of further door components, wherein the further door components are connected to the control unit via a plurality of first communication buses.

2. The door system (1) according to claim 1, wherein the control unit can be connected to a second, in particular IP-enabled, communication bus, wherein the control unit is designed to communicate with a computing unit in a cloud via the second communication bus, wherein the control unit receives an electronic configuration of the door system via the second communication bus.

3. The door system according to claim 2, characterized in that during commissioning on site a bus address of the door components has been linked to a function of the respective door component in the door system, and in that the control unit has knowledge of which bus address is linked to which function, processes are carried out via the first communication buses, wherein it is sufficient that the functions of the door components are stored in a functional process in the configuration.

4. The door system (1) according to claim 2 or 3, **characterized in** that the electronic configuration comprises the following electronic data:

- door component types of the door system (1).

5. The door system (1) according to claim 3 and 4, wherein the door system is designed such that during commissioning on site, if a door component type is only present once in the door system, the door component reports its door component type to the control unit, wherein the control unit links the door component type and thus the function to the bus address of the door component.

6. The door system (1) according to one of the preceding claims, **characterized in** that the control unit (13) comprises a transmission unit (19), in particular a transmitting and/or receiving unit for wireless near-field communication, in particular Bluetooth Low Energy, wherein the transmission unit (19) is used to communicate with a terminal, in particular a mobile terminal, for commissioning, for configuring and/or for access authorization communication.

7. The door system (1) according to one of the preceding claims, characterized in that the control unit is designed to make an access decision.

8. The door system (1) according to claim 7, wherein the door system comprises at least one reading unit, wherein the control unit is designed to evaluate a credential received from the reading unit by a received access code being compared with an access code stored in the control unit and/or a time window of the credential being compared with the current time.

9. The door system according to claim 8, wherein the reading unit or reading units and the control unit are connected to an RS 485 bus.

10. The door system according to one of the preceding claims, wherein the first communication buses are a CAN bus and an RS485 or an RS-232 bus.

11. The door system according to one of the preceding claims, **characterized in** that the door system (1) comprises the following door component (4, 5, 6, 7, 8, 9, 10, 12) which is connected to the first communication bus (14):

- a drive controller (4) of a door drive (2).

12. The door system (1) according to one of the preceding claims, **characterized in** that the door system (1) comprises a plurality of door components (17) with detection units for receiving an access attribute and a plurality of locking devices (8, 10), wherein an assignment of the door components (17) with the detection units to the locking devices (8, 10) is stored electronically in the control unit (13), wherein the control unit (13) is designed to receive bus addresses of the door components (17) with the detection units linked to a function of the door components (17) in the door system (1) during

commissioning on site, wherein the link can be received by the mobile terminal.

13. The door system (1) according to one of the preceding claims, **characterized in** that the door system (1) is designed to receive a change of the configuration or an update of the configuration of the door system (1), wherein a configuration of an escape route security system (9) is only permitted on site, in particular takes place via wireless near-field communication with the mobile terminal.

14. An access system (20) with a door system (1) according to one of claims 1 to 13 and with a computing unit (16), wherein an image of the door system (1) is stored in the computing unit (16),
wherein past and current operating states of the door system (1) are stored in the computing unit (16).

15. The access system (20) according to claim 14, wherein the door components (4, 5, 6, 7, 8, 9, 10, 12, 13) connected to a first communication bus (14) each comprise an identifier, wherein the identifiers of the door components (4, 5, 6, 7, 8, 9, 10, 12, 13) are stored as part of the image of the door system (1) in the computing unit (16) in the cloud.

16. The access system (20) according to claim 14 or 15, wherein the access system is designed such that the image of the door system 1 is filled with data of the installed door components 4, 5, 6, 7, 8, 9, 10, 12, 13 during or after the installation of the door system 1.

17. The access system (20) according to one of claims 14 to 16, wherein the access system comprises a mobile terminal, wherein the mobile terminal is designed to have knowledge of an identifier of a door component during commissioning on site, and is designed to display possible positions, possible door component types and/or possible required door components on the terminal, wherein the correct position, the correct door component type and/or the correct required door component can be selected on the mobile terminal by the installer and the position and/or the door component type and/or the required door component can be assigned to the identifier, wherein the mobile terminal is

designed to send the successful assignment to the control unit.

18. The access system (20) with one or a plurality of door systems (1) according to one of claims 14 to 17, wherein the control unit is designed to receive an access attribute for authentication, wherein the door system (1) is designed, based on the access attribute or the type of use the access attribute,

- to decide whether a locking element (8, 10) is actuated for opening a door leaf or locking elements (8, 10) are actuated for opening a plurality of door leaves.