CLAIMS

1. A method (200) for commissioning a door system (60, 61, 62), wherein the door system (60, 61, 62) has a plurality of door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), wherein at least one door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) is designed as a control unit (30), wherein the method (200) comprises the following steps:

a. storing an electronic configuration (82) of the door system (60, 61, 62) in the control unit (30) and/or in a mobile terminal (50),

b. carrying out at least one commissioning step by means of the electronic configuration (82).

~~2. The method (200) according to claim 1,~~

wherein the electronic configuration is a list of components at least regarding the provided door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) of the door system (60, 61, 62) and/ or regarding provided door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of the door system (60, 61, 62), wherein the control unit (30) and/or the mobile terminal (50) at least have knowledge of the installed door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) or the installed door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) which have an information technology connection to the control unit (30), wherein the control unit and/or the mobile terminal compare the list of components with the door components actually installed and/or the door component types actually installed.

~~3~~2. The method (200) according to one of the preceding claims, wherein a specification is stored electronically as to how the commissioning method (200) is to be continued if the list of components deviates from the installed door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) or the installed door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), ~~in particular~~

wherein the specification of how to continue the commissioning method (200) corresponds to one of the following options depending on the type of deviation:

- the start-up of an operation of the door system (60, 61, 62) is electronically prevented,
- ~~the start-up of an operation of the door system (60, 61, 62) takes place with a limited range of door components~~
- ~~the start-up of an operation of the door system (60, 61, 62) takes place as intended.~~

3~~4~~. The method (200) according to ~~one of the preceding~~ claim 2~~s~~, wherein if the continuation of the commissioning method (200) is prevented due to the deviation, a door system type (70, 71, 72) is changed to an alternative door system type (70, 71, 72) that corresponds to the installed door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) or the installed door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), wherein step a. is repeated with the electronic configuration (82) of the alternative door system type (70, 71, 72), wherein each door system type (70, 71, 72) is assigned to an electronic configuration.

4~~5~~. The method (200) according to one of the preceding claims, wherein the door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of the door system (60, 61, 62) each comprise an identifier, ~~in particular a unique identifier allocated once,~~ wherein ~~at least the identifier of a door component~~ (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), ~~in particular~~ the identifier of a plurality of or all door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) is stored in a computing unit (10) as belonging to the door system (60, 61, 62).

5~~6~~. The method (200) according to one of the preceding claims, wherein, if only one door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of a door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) is present in the door system (60, 61, 62), the installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59)~~, in particular the unique identifier allocated once for the door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49),~~ is automatically assigned to the door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49).

~~7~~6. The method (200) according to one of the preceding claims, wherein an installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) is assigned to a provided door component by means of an input on the mobile terminal (50),~~ -~~ for which at least one position of provided door components or the provided door components are displayed on the mobile terminal, so that the installer can select or confirm the position of the provided door component or the provided door component~~in particular if a door system (60, 61, 62) has a plurality of door components of the same door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) and/or a plurality of door systems (60, 61, 62) are to be installed~~.

~~8~~7. The method (200) according to one of the preceding claims, wherein an identifier of an installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of the door system (60, 61, 62) is at least partially displayed on a mobile terminal (50), wherein a sensorily perceptible~~, in particular visual, haptic and/or acoustic,~~ sign can be output so as to be assignable by the installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) or to the installed door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), wherein the installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) is assigned to one of the provided door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of the door system (60, 61, 62) by means of the sensorily perceptible~~, in particular visual, haptic and/or acoustic,~~ sign, by the identifier or a marking of the selected door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) being assigned to a door system (60, 61, 62) or a provided door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) of the door system (60, 61, 62) by receiving a user input on the mobile terminal (50).

~~8~~9. The method (200) according to ~~one of~~ claim~~s 1 to 7~~6, wherein the ~~element to be assigned~~mobile terminal and/or the control unit, based on an electronically detectable action by the installer in relation to the installed door component, identifies the identifier of the installed door component and the installed door component is assigned to the provided door component.

~~10~~9. The method (200) according to one of the preceding claims, wherein the

identifier of a door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) together with other features of the door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) is stored in particular prior to step a., ~~in a door arrangement (100), in particular~~ in the computing unit (10) designed as a cloud, wherein by storing the identifier of the installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) with the door system (60, 61, 62) and/or with an installation location, the other features are assigned to the door system (60, 61, 62) and/or the installation location.

1~~1~~0. The method (200) according to one of the preceding claims, wherein the electronic configuration of the door system (60, 61, 62) comprises at least one of the following data, preferably a plurality of the following data, particularly preferably all of the following data:

- ~~transmitters and/or receivers of messages~~
- processes of operating functions,
- parameters for operating the door system (60, 61, 62)
- a test process for the door system (60, 61, 62), in which at least one operating step and/or one operating function of the door system (60, 61, 62) is tested for commissioning.

~~12~~11. The method (200) according to one of the preceding claims, wherein at least a plurality of, in particular all, of the door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59) are connected to a first bus system (32), wherein ~~in particular~~ the control unit (30) assigns bus addresses to the other door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53, 56, 57, 58, 59), which are connected to the first bus system (32).

1~~2~~3. The method (200) according to one of the preceding claims, wherein the electrical configuration (82) is receiv~~able~~d by the control unit (30) and/or the mobile terminal from a database (21, 22) with a plurality of permanently specified electrical configurations (82), wherein the electronic configuration (82) can be stored in the control unit (30) and/or the mobile terminal by, prior to step a., the configuration (82) having been assigned to an identifier of the door system (60, 61, 62) and/or a door system type (70, 71, 72) and/or an installation location or an electrical configuration (82) being assigned by means of the installed door

component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49).

13~~4~~. The method (200) according to one of the preceding claims, wherein the control unit (30) is connected to a computing unit (10) via a second bus system (25) and/or is connected to a mobile terminal (50) via an in particular wireless interface, wherein the control unit (30) receives the electronic configuration (82) from the computing unit (10) or from the mobile terminal (50) in order to store the configuration (82) in step a.

14~~5~~. The method (200) according to one of the preceding claims, wherein prior to step a., at least one key is received by the control unit (30) from the mobile terminal (50) in order to communicate in encrypted form in a first bus system and/or in a second bus system.

15~~6~~. A door arrangement (100) with a door system (60, 61, 62) and a mobile terminal (50) and/or a computing unit (10) for carrying out the method according to one of claims 1 to 15.

16~~7~~. A computer program product(s) for carrying out the method according to one of claims 1 to 15.