CLAIMS

1. A door closer (1) for closing a door (200), comprising

- a housing (2) and an output shaft (3) supported therein, designed for fastening a lever arrangement (103),
- a mechanical energy storage device (4) in the housing (2), which drives the output shaft (3) to rotate, wherein the energy storage device (4) is preferably a spring,
- a module (40) comprising at least one battery (42) and/or a data transmission unit (44) for data transmission,
- wherein the housing (2) comprises a first end face (2.1), which is to face a hinge (201) of the door (200) when the door closer (1) is mounted,
- wherein the housing (2) comprises a second end face (2.2) which is opposite the first end face (2.1),
- and wherein the module (40) is arranged next to the second end face (2.2) of the housing (2),

characterised in that the door closer (1) is designed to be arranged in a right-sided and left-sided arrangement (A, B) on a door (200) or wall (202), wherein the door closer (1) is designed such that the module (40) is arranged next to the second end face (2.2) of the housing (2) both in the right-sided and in the left-sided arrangement (A, B) and is connected at least indirectly to the housing (2), wherein the door closer (1) comprises a mounting plate (50) with fastening elements (51), in particular holes, for fastening, in particular screwing on, the housing (2),

- wherein the mounting plate (50), the housing (2) and the module (40) are designed such that the housing (2) can be fastened on the mounting plate (50) on the left and right sides without rotating the mounting plate (50),
- wherein in the left-sided arrangement (A) of the housing (2), the module (40) is located on the right next to the housing (2) above the mounting plate (50),
- and wherein in the right-sided arrangement (B) of the housing (2), the module (40) is located on the left next to the housing (2) above the mounting plate (50).

2. The door closer (1) according to claim 1, wherein an arrangement of the module (40) and the arrangement of the housing (2) differ from one another in

the right-sided and left-sided arrangement (A, B), in particular wherein the door closer (1) comprises connecting means by way of which the module (40) can be arranged in different arrangements in relation to the housing (2).

3. The door closer (1) according to one of the preceding claims, wherein the door closer (1) is designed such that the housing (2) can be arranged, preferably is arranged, on a door (200) in a first housing orientation in a left-sided arrangement (A) and in a second housing orientation, which is rotated relative to the first housing orientation, in a right-sided arrangement (B); and/or the door closer (1) is designed such that the module (40) can be arranged, preferably is arranged, on a door (200) in a first module orientation in a left-sided arrangement (A) and in a second module orientation, which is rotated relative to the first module orientation, in a right-sided arrangement (B).

4. The door closer (1) according to one of the preceding claims, wherein the door closer (1) is designed such that the data transmission unit (44) is arranged facing away from the housing (2) both in a left-sided and a right-sided arrangement (A, B) and/or wherein the module (40) comprises a housing arrangement (41) for the battery (42), wherein the data transmission unit (44) is fixedly connected to the housing arrangement (41).

5. The door closer (1) according to claim 5, wherein the housing arrangement (41) comprises an opening (46) for replacing the battery (42), wherein the door closer (1) is designed such that the opening (46) is arranged with the same opening orientation perpendicular to the door (200), in particular forwards, in the right-sided and left-sided arrangement (A, B).

6. The door closer (1) according to one of the preceding claims, comprising a sensor (23), in particular arranged for detecting an encoder (21) fastened to or designed on the output shaft (3), wherein the sensor (23) is connected to the module (40) for data and/or power transmission, in particular via an electrical line.

7. The door closer (1) according to claim 6, wherein the door closer (1) is designed such that the sensor (23) is arranged next to one side of the housing (2) in the right-sided arrangement (B) and next to an opposing side of the housing

(2) in the left-sided arrangement (A).

8. The door closer (1) according to claims 1 to 7, wherein the mounting plate (50) and the housing (2) are designed such that the housing (2) can be fastened on the mounting plate (50) on the left side in one orientation and on the right side in an orientation rotated by 180° and/or wherein the module (40) can be arranged, in particular is fastened, on the mounting plate (50); preferably wherein the module (40) can be arranged, in particular fastened, on the left side and on the right side on the mounting plate (50).

9. The door closer (1) according to one of the preceding claims, wherein the output shaft (3) is arranged in the half of the housing (2) facing the first end face (2.1) and/or wherein the energy storage device (4) is arranged between the output shaft (3) and the second end face (2.2).

10. The door closer according to one of the preceding claims, comprising a panel (30) which covers the housing (2) and the module (40).

11. The door closer (1) according to claim 10, wherein the module (40) is arranged, in particular fastened, to the panel (30), preferably to an end wall (31) of the panel (30), particularly preferably optionally to both end walls (31) of the panel (30).

12. The door closer (1) according to one of the preceding claims, wherein the module (40) is detachable from the panel (30) and/or from the mounting plate (50), in particular for battery replacement, in a non-destructive manner, preferably detachable without tools.

13. The door closer (1) according to one of the preceding claims, wherein the output shaft (3) is exposed on two opposing sides of the housing (2) for optionally fastening a lever arrangement (103).

14. A method (300) for mounting a door closer (1) according to one of the preceding claims to a door, wherein the door closer (1) comprises a housing (2) and an output shaft (3) supported therein, wherein the door closer comprises a

mechanical energy storage device in the housing (2), wherein the door closer comprises a module (40) with a housing arrangement (41) for at least one battery (42) and/or with a data transmission unit (44) for data transmission, wherein the method (300) comprises the following steps:

- attaching a mounting plate on the left or right side at a predefined distance from hinges of the door,

- arranging (302) the housing (2) on the mounting plate (50) such that a first end face (2.1) of the housing (2) is facing a hinge (201) of the door (200),
- arranging (305) the module (40) next to a second end face (2.2) of the housing (2), which is opposite the first end face (2.1), wherein in the left-sided arrangement (A) of the housing (2), the module (40) is located on the right next to the housing (2) above the mounting plate (50),

and wherein in the right-sided arrangement (B) of the housing (2), the module (40) is located on the left next to the housing (2) above the mounting plate (50).