

Title (en)

BLOCKING DEVICE FOR A DOOR PROVIDED WITH A DOOR CLOSER

Title (de)

FESTSTELLVORRICHTUNG FÜR EINE MIT EINEM TÜRSCHLIESSER VERSEHENE TÜR

Title (fr)

DISPOSITIF DE BLOCAGE POUR PORTE POURVUE D'UN FERME-PORTE

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Application

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Abstract (en)

[origin: WO9939069A1] The invention relates to a blocking device for a door provided with a door closer (3). A sliding arm (32) is coupled with the end thereof on the door leaf or on the door frame. The other end of the sliding arm is guided with a glider (33) inside a track (4) in a moveable manner, said track being arranged on the door frame or door leaf. The glider (33) interacts with a stop (61) which is arranged in the track (4) and which is pushed in the movement area of the glider (33) by the action of a spring element (6). The stop (61) interacts with an electrically switchable control element (8). According to the invention, the control element (8) comprises a piezo-electric element, a magnetostrictive element, a thermostrictive element, a shape-memory element or a comparable actuator. In order to prevent deviation, the spring element (6) is alternatively supported in or released from a support point by a blocking element (7) which is preferably guided in an axial direction in the track, whereby the blocking element (7) interacts with the control element (8). The movement of the blocking element (7) is blocked in a first position of the control element (8) and, as a result, the spring element (6) is blocked. As a consequence, the glider (33) which is guided in the track (4) can not deflect the stop (61), and the door leaf remains blocked. The movement of the blocking element (7) is permitted in a second position of the control element (8). The action of a recoil spring (9) causes the blocking element (7) to move out of the blocking position thereof and to release the spring element (6). The glider (33) can thus deflect the stop (61) against the force of the spring element (6) and the door leaf closes.

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