

Title (en)
DOOR LOCK WITH MOTOR

Title (de)
TÜRSCHLOSS MIT MOTOR

Title (fr)
SERRURE DE PORTE AVEC MOTEUR

Publication
EP 3426866 A2 20190116 (DE)

Application
EP 17718554 A 20170424

Priority
• DE 102016107717 A 20160426
• EP 2017059671 W 20170424

Abstract (en)
[origin: WO2017186646A2] A door lock comprises: a cylinder receiving section for a lock cylinder, the cylinder having an input element which is designed to be driven by an output element of the lock cylinder in order to move a lock bolt and/or a latch of the door lock; and a motor for motor-driven movement of the lock bolt and/or the latch in addition to the movement by means of the lock cylinder. The motor can be or is drivingly coupled to the input element for motor-driven movement of the lock bolt and/or latch by means of the input element. A door lock further comprises a motor for the motor-driven movement of a lock bolt and/or a latch of the door lock and a freewheel mechanism, by means of which a drive torque of the motor can be transmitted to the lock bolt and/or the latch. The freewheel mechanism has an input element which is drivingly coupled to the motor, and an output element which is drivingly coupled to the lock bolt and/or the latch. In addition, the freewheel mechanism has at least one coupling element which can move between a coupling position, in which it drivingly couples the input element to the output element and a freewheel position, in which it drivingly decouples the input element from the output element. The input element also has a drive contour designed to carry along the coupling element when the input element is driven by the motor. The freewheel mechanism also has a guide element comprising a guide contour designed to push the coupling element into the coupling position as said coupling element is carried along by the input element.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2017186646A2

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