Title (en)

Electric lock with opening assistance for motor vehicle doors

Title (de)

Elektrisches Schloss mit kraftunterstütztem Öffnen für Kraftfahrzeugtüren

Title (fr)

Serrure électrique à assitance à l'ouverture pour portière de véhicule automobile

Publication

EP 0989263 B1 20060712 (FR)

Application

EP 99401911 A 19990727

Priority

FR 9811742 A 19980921

Abstract (en)

[origin: EP0989263A1] The lock has two compartments opposite sides of a common base (15) extending over the whole area of the lock case (B). A control lever (11), mounted on a stub shaft passing through the base and rotating a catch, releasing the bolt, in the other compartment, is actuated by a peg fixed under a toothed wheel (22), as the wheel rotates. The wheel is driven, via a worm gear, by a geared motor (16) energized on the initial movement of a cable (C) which operates a micro-switch (60), the cable being connected to the exterior door handle. The interior door handle acts directly on the catch. If the opening motor (16), or its supply, is defective, the door can be opened by continued movement of the exterior handle, via a cable end-stop (36), which transmits the effort to the control lever (11) through a pivoted (33) emergency lever (32); however, when the door is locked the locking lever (41) disengages the end-stop from the forked end of the emergency lever. The locking motor also responds to the usual external remote control.

IPC 8 full level

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CPC (source: EP)

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