

Title (en)

Lock with an electrically operated unlocking mechanism.

Title (de)

Elektrisch betätigbares Schloss.

Title (fr)

Serrure comportant un mécanisme de déverrouillage à fonctionnement électrique.

Publication

EP 0292361 A1 19881123 (FR)

Application

EP 88401133 A 19880510

Priority

FR 8706714 A 19870513

Abstract (en)

1. An electric lock comprising on the one hand a housing containing a locking bolt and on the other hand a strike intended for receiving said bolt in a closed-door position, said bolt comprising a sliding connecting member with a cocking mechanism contained in the bolt housing and which comprises : - an actuator (14) slidable through the front face of the bolt housing along the axis of a sleeve (10) slidably movable in parallel to the bolt ; - a locking lever (32) pivoted about a transverse rocking axis (33) perpendicular to the axis of the sleeve (10) and having a portion forming a retaining hook (31) cooperating with a step (30) formed on the outside of said sleeve (10) ; and - electromagnetic means (38) for releasing said locking lever (32) from said sleeve (10) on request, thereby causing said bolt (2) to be driven inwardly into said bolt housing (A) ; characterized in that the rocking motion of the locking lever (32) of the actuator (14) acts against the movable contact member (39) of a first micro-switch (40) which causes an electric motor and reduction gear unit (29) mounted in the bolt housing (A) to become energized via a timer, said motor unit driving a rotating disc (27) carried on the shaft (28) of said motor and carrying an eccentric pin (26) adapted for pushing a movable piston (24) acting upon said sleeve (10) while compressing a spring (12) and simultaneously causing said locking bolt (2) to move back outside of the bolt housing (A).

IPC 1-7

E05B 47/06

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Cited by

CN104712192A; EP0562540A1; US5014030A; EP0566881A1; CN102011519A; EP0900901A3; GB2304375A; GB2304375B; EP0562525A3; EP4018061A4; WO9601355A1; US11879271B2

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