

Title (en)

Cylinder lock assembly with mechanical and electronic mechanism

Title (de)

Zylinderschlosseinheit mit mechanischem und elektronischem Mechanismus

Title (fr)

Ensemble barillet de serrure avec mécanisme mécanique et électronique

Publication

EP 1707712 A1 20061004 (EN)

Application

EP 05075732 A 20050330

Priority

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Abstract (en)

A cylinder lock assembly includes an electronic key (99) having a conducting plate (107), a cylinder lock body (1), a lock core (7) received inside the body (1) and having a spring (23) engageable with the conducting plate (107) and a passage (11) longitudinally defined in the lock core (7), a rotor (81) movably received in the body (1) and having a first slit (83) longitudinally defined in the rotor (81) and a side slit (85) radially defined in the rotor (81), a cam (77) movably received in a cutout (3) of the body (1) and securely received in the rotor (81), a clutch device having a first clutch (109), a second clutch (115) and a third clutch (133), a first rotation circuit board (123), a second rotation circuit board (127), a driving element (69) connected to a seat (141) to drive the third clutch (133) and the first clutch (109) to move, a control unit (91) electrically connected to the second rotation circuit board (127) and the driving element (69) and a power source (93) electrically connected to the driving element (69) and the control unit (91).

IPC 8 full level

E05B 47/00 (2006.01); **E05B 27/00** (2006.01); **E05B 45/06** (2006.01)

CPC (source: EP)

E05B 47/0615 (2013.01); **E05B 47/0642** (2013.01); **E05B 47/068** (2013.01); **G07C 9/00944** (2013.01); **E05B 45/06** (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0023** (2013.01); **E05B 2047/0026** (2013.01); **G07C 2009/00761** (2013.01)

Citation (search report)

- [A] EP 0401647 A1 19901212 - STOBBE ANATOLI [DE]
- [A] EP 0462316 A1 19911227 - FLIETHER KARL GMBH & CO [DE]
- [A] EP 0243586 A2 19871104 - HERZ GMBH [DE]

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