

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 B1 20100630 (EN)

Application
EP 05075732 A 20050330

Priority
EP 05075732 A 20050330

Abstract (en)
[origin: EP1707712A1] 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
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CPC (source: EP)
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Cited by
EP2665045A1; CN107605252A; EP2183451A4; ITMI20130233A1; CN105089375A; US11421446B2; CN106285205A; CN106593121A; CN106121379A; EP2722470A1; CN103774922A; ITMI20120843A1; EP2169153A1; IT201800010406A1; CN112955618A; EP2664736A3; EP3000954A1; DE202009011110U1; IT201800010405A1; CN112955619A; EP4261369A1; WO2014179910A1; WO2014060119A1; WO2020100173A1; WO2014128106A1; US9206620B2; WO2019231411A1; WO2023110856A1; WO2020100172A1

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