

Title (en)
ELECTRONIC LOCK WITH MECHANICAL CLUTCH

Title (de)
ELEKTRONISCHES SCHLOSS MIT MECHANISCHER KUPPLUNG

Title (fr)
SERRURE ELECTRONIQUE A EMBRAYAGE MECANIQUE

Publication
EP 1080286 A1 20010307 (FR)

Application
EP 99920916 A 19990526

Priority
• FR 9901224 W 19990526
• FR 9806642 A 19980527

Abstract (en)
[origin: US6334347B1] Electronic barrel comprising a barrel body and a rotary-lock key bit, the barrel body comprising at least one rotor having a common axis with the body and the rotary-lock key bit and freely rotating in said body, a clutch part coupled in rotation with the rotor and comprising meshing means co-operation with additional means matching the key bit so as to drive in rotation said key bit by the rotor under the action of a rotating torque of the key, and locking means for preventing the clutch part from being translated when there is no recognition of an identification code transmitted between the key and the barrel, characterised in that said locking means are further mounted integral in the rotary-lock key bit and the rotor is mobile in translation for thrusting the clutch part towards the key bit when said identification code is recognised.

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IPC 8 full level
E05B 9/10 (2006.01); **E05B 17/04** (2006.01); **E05B 47/06** (2006.01); **E05B 47/00** (2006.01)

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Cited by
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US 6334347 B1 20020101; AT E221609 T1 20020815; AU 3831499 A 19991213; BG 104985 A 20011031; BR 9910713 A 20010130;
CA 2333140 A1 19991202; CN 1265071 C 20060719; CN 1307662 A 20010808; DE 69902380 D1 20020905; DE 69902380 T2 20030424;
EP 1080286 A1 20010307; EP 1080286 B1 20020731; ES 2182520 T3 20030301; FR 2779168 A1 19991203; FR 2779168 B1 20010126;
HK 1038387 A1 20020315; HU 225755 B1 20070828; HU P0102645 A2 20011128; HU P0102645 A3 20020228; IL 139698 A0 20020210;
JP 2002516936 A 20020611; JP 4526706 B2 20100818; KR 20010071326 A 20010728; PL 192770 B1 20061229; PL 344473 A1 20011105;
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DOCDB simple family (application)
US 70104400 A 20001122; AT 99920916 T 19990526; AU 3831499 A 19990526; BG 10498500 A 20001127; BR 9910713 A 19990526;
CA 2333140 A 19990526; CN 99807964 A 19990526; DE 69902380 T 19990526; EP 99920916 A 19990526; ES 99920916 T 19990526;
FR 9806642 A 19980527; FR 9901224 W 19990526; HK 01109119 A 20011227; HU P0102645 A 19990526; IL 13969899 A 19990526;
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