

Title (en)

Electric lock for a motor vehicle with the child safety function and the superlocking function

Title (de)

Kraftfahrzeugschloss mit Kindersicherung und Diebstahlsicherung

Title (fr)

Serrure électrique pour véhicule automobile, présentant des fonctions condamnation enfant et supercondamnation

Publication

EP 1158125 B1 20041124 (FR)

Application

EP 01401354 A 20010523

Priority

FR 0006542 A 20000523

Abstract (en)

[origin: EP1158125A1] The interior centralized locking system includes a centralized childproof lever fitted with a cam designed to butt up against an electrical contactor (12) push-button (12a) in one of the two childproof on/off locking positions. The lever supports a bi-stable foot cooperating with a part of the lock housing, this part has a bridge of material whose span defines two stable positions for the lever, in its childproofing on and off position respectively. The lock has a retaining bolt for a striker, a bolt locking pawl, a interior and exterior door opening and closing controls acting on the pawl via a link. The lock is designed to be connected to a central control unit to perform exterior centralized locking/unlocking, interior centralized locking/unlocking, called childproof locking, and a double locking function. The interior childproof locking function mechanism cooperates with an electrical contactor (12) designed to take up a first position when the interior child locking mechanism is deactivated and a second position when it is activated. The electrical contactor is connected to a central control unit which is designed to sense an electrical signal indicating the state of the contactor. The central control unit memorizes the state signal and the control unit, when activating double locking only brings the lock into the childproof position if the memorized signal indicates childproofing has been deactivated before order for double locking.

IPC 1-7

E05B 65/20; **E05B 47/00**; **E05B 17/22**

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/20** (2006.01); **E05B 17/22** (2006.01)

CPC (source: EP)

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Cited by

FR2873144A1; CN104675217A; CN103590661A; EP1621705A3; CN102444327A; US2019112841A1; US10829965B2; US7445256B2; WO2023232179A1; US10309136B2; US10876331B2

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