

Title (en)

Locking control mechanism for vehicle door lock.

Title (de)

Verriegelungsvorrichtung für Kraftfahrzeugtürschloss.

Title (fr)

Actionneur de condamnation d'une serrure de porte de véhicule automobile.

Publication

EP 0230808 A1 19870805 (FR)

Application

EP 86402724 A 19861209

Priority

FR 8519174 A 19851224

Abstract (en)

1. An actuator for locking a latch of a motor vehicle door, capable of cooperating with a pin (1) for locking this door latch, which is capable of assuming in this actuator an unbolted position and a locked position (1a), comprising a rotary disc (2) wherein there is arranged an opening (3) for receiving the locking pin (1) and which is shaped so that with the pin bearing on an edge (3a) of the said opening, the rotation of the disc (2) in one direction (AR) entails the displacement of the pin from its unbolted position into its locked position and vice versa in the opposite direction of rotation (R) of the disc, characterized in that it comprises in combination : a) a first cam (C1) articulated for rotation on a second cam (C2) which is itself articulated on the disc (2), the first cam being positioned and shaped so as to bear on the locking pin (1) when the latter is in the locked position and to be capable of driving the second cam (C2) in rotation when the disc (2) is itself caused to rotate in a given direction from this locked position : b) and a hook (6) articulated on a casing (7) fixed to the disc (2), capable of cooperating with the second cam (C2) so as to be driven thereby in rotation when the disc (2) is itself caused to rotate by an electric command in the above mentioned given direction, until this hook (6) bolts the pin (1) in its locked position, the unbolting of the pin by the rotation of the disc in the reverse direction only being obtainable by a new reverse electric command.

Abstract (fr)

Actionneur de condamnation d'une serrure de porte de véhicule automobile au moyen d'un doigt (1) pouvant prendre une position décondamnée et une position condamnée (1a), comprenant en combinaison un disque rotatif (2) dans lequel est ménagée une ouverture profilée (3) pouvant commander le déplacement du doigt (1), la rotation du disque (2) étant commandée par un circuit électrique, une came (C1) articulée sur le disque (2), et un crochet (6) de verrouillage du doigt (1), dont le pivotement jusqu'à sa position de verrouillage peut être commandée électriquement par rotation du disque (2) par l'intermédiaire de la came (C2) dont un ergot (12) coulisse dans une lumière (11) du crochet (6); lorsque le doigt (1) est ainsi en position condamnée et verrouillée par le crochet (6), le déverrouillage ne peut être obtenu que par un nouvel ordre électrique, ce qui accroît la sécurité du véhicule contre le vol après bris de glaces.

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E05B 47/00

IPC 8 full level

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E05B 81/25 (2013.01)

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Cited by

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