

Title (en)

MOTOR-VEHICLE DOOR LOCKING SYSTEM WITH QUICK UNLOCKING

Title (de)

KRAFTFAHRZEUG-TÜRSCHLIESSSYSTEM MIT SCHNELLENTRIEGELUNG

Title (fr)

SYSTEME DE FERMETURE DE PORTES AUTOMOBILE AVEC DEVERROUILLAGE RAPIDE

Publication

EP 1283934 B1 20050615 (DE)

Application

EP 01931400 A 20010329

Priority

- DE 0101273 W 20010329
- DE 10023311 A 20000515

Abstract (en)

[origin: WO0188316A1] The invention relates to a motor-vehicle door locking system comprising a motor vehicle lock (2) which can be locked and unlocked by means of a motor. Said lock comprises a locking element (10) which can be moved between a locked position and an unlocked position, and a central interlocking drive (12) having a slow driving element (13) for moving the locking element (10). Said door locking system also comprises a control electronic (3) with a passive input function, and a remote control module (5) held by a user. According to said invention, a coupler (14) which is particularly in the form of a centrifugal coupler and only engages from a minimum rotation speed is located between the central interlocking drive (12) and the driving element (13). Said coupler allows easy manual locking of the locking element (10) when the central interlocking drive (12) is stationary. In order to enable a quick unlocking of the inventive locking system, the central interlocking drive (12) comprises, on the coupler side (14), a quick unlocking element (15) which can be actuated upon start-up by the central interlocking drive (12). Upon actuation, the quick unlocking element (15) moves the locking element (10) or another element of the locking system, situated downstream from the locking element, from the locked position to the unlocked position; and, when the coupler (14) is engaged, the central interlocking drive (12) is moved slowly towards the unlocked position, or towards the next rest position, through the unlocked position.

IPC 1-7

E05B 65/20; **E05B 65/12**

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/20** (2006.01); **E05B 81/24** (2014.01); **E05B 85/00** (2014.01)

CPC (source: EP US)

E05B 81/25 (2013.01 - EP US); **E05B 85/01** (2013.01 - EP US)

Cited by

EP2039858A1; DE102005043227B3; DE102007048452A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 0188316 A1 20011122; AU 5820301 A 20011126; DE 10023311 A1 20011206; DE 10023311 B4 20060216; DE 50106525 D1 20050721; EP 1283934 A1 20030219; EP 1283934 B1 20050615; US 2002149262 A1 20021017; US 6737758 B2 20040518

DOCDB simple family (application)

DE 0101273 W 20010329; AU 5820301 A 20010329; DE 10023311 A 20000515; DE 50106525 T 20010329; EP 01931400 A 20010329; US 3009002 A 20020520