

Title (en)

Vehicle door lock or similar with assisted electrical opening and closing

Title (de)

Kraftfahrzeug-Türschloss o. dgl. mit elektrischer Öffnungshilfe und Schliesshilfe

Title (fr)

Serrure de porte de véhicule avec assistance électrique pour l'ouverture et la fermeture

Publication

EP 1048808 B1 20041013 (DE)

Application

EP 00108495 A 20000419

Priority

DE 19919765 A 19990429

Abstract (en)

[origin: EP1048808A1] The automobile door lock has a locking catch (2) and a cooperating latch (3) for holding the locking catch in a main locking position and a pre-locking position. A locking drive (6) with an electric motor and a conversion gearing (8) is operated by an electronic control for moving the catch into the main locking position, with operation of the locking drive as an opening drive movement of the latch out of engagement with the locking catch, via the electronic control in response to a sensor detecting an increased resistance force on the latch in an emergency situation, with release of an electromagnetic clutch (10) coupling the locking drive to the catch.

IPC 1-7

E05B 65/12

IPC 8 full level

E05B 65/12 (2006.01); **E05B 81/14** (2014.01); **E05B 81/20** (2014.01); **E05B 77/02** (2014.01)

CPC (source: EP US)

E05B 81/14 (2013.01 - EP US); **E05B 81/20** (2013.01 - EP US); **E05B 77/02** (2013.01 - EP US); **E05B 81/21** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by

DE102008049208A1; EP1498561A3; EP1300532A1; DE102007041157B4; DE102007041159B4; CN107605284A; CN113710863A; US11525289B2; US7735883B2; US8025320B2; US11933091B2; WO2019233524A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 1048808 A1 20001102; **EP 1048808 B1 20041013**; DE 19919765 A1 20001109; DE 50008184 D1 20041118; ES 2226637 T3 20050401; US 6471259 B1 20021029

DOCDB simple family (application)

EP 00108495 A 20000419; DE 19919765 A 19990429; DE 50008184 T 20000419; ES 00108495 T 20000419; US 55783700 A 20000426