

Title (en)

Vehicle lock with electrically assisted opening

Title (de)

Kraftfahrzeugschloss mit elektrischem Öffnungsantrieb

Title (fr)

Serrure pour véhicule à ouverture assistée électriquement

Publication

EP 1457625 A3 20080827 (DE)

Application

EP 04004097 A 20040224

Priority

- DE 10310507 A 20030308
- DE 10319743 A 20030430

Abstract (en)

[origin: EP1457625A2] The locking plate (1) is rotated to unlock the door but is blocked by a lever (2) which is released by a toothed wheel (6) with a peg (7) when driven in a clockwise direction by a worm (5) connected to the motor (4) controlled by an electronic unit (8). An anti-theft lever (11) can block the release.

IPC 8 full level

E05B 65/32 (2006.01); **E05B 47/00** (2006.01); **E05B 65/12** (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP US)

E05B 77/28 (2013.01 - EP US); **E05B 81/14** (2013.01 - EP US); **E05B 81/16** (2013.01 - EP US); **E05B 77/12** (2013.01 - EP US); **E05B 81/06** (2013.01 - EP US); **E05B 81/15** (2013.01 - EP US); **E05B 81/62** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Citation (search report)

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- [A] EP 0710755 A1 19960508 - ROLTRA MORSE SPA [IT]
- [A] EP 1004730 A1 20000531 - VALEO SECURITE HABITACLE [FR]
- [X] DE 19742798 A1 19990128 - BOSCH GMBH ROBERT [DE]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1457625 A2 20040915; EP 1457625 A3 20080827; US 2004232707 A1 20041125; US 7384080 B2 20080610

DOCDB simple family (application)

EP 04004097 A 20040224; US 79368204 A 20040305