

Title (en)

Actuation device for a motor vehicle lock

Title (de)

Betätigungseinrichtung für ein Kraftfahrzeug - Türschloss

Title (fr)

Dispositif d'actionnement pour une serrure de véhicule automobile

Publication

**EP 1580353 A3 20070328 (DE)**

Application

**EP 04029941 A 20041217**

Priority

DE 102004015136 A 20040327

Abstract (en)

[origin: EP1580353A2] Actuating device (1) for a motor vehicle door lock comprises an actuator, a handle plate (3), a handle (9) penetrating the handle plate with at least one bearing arm that is attached to a rear side of the handle plate with a bearing block (21, 22) so that it pivots about a spindle (17), and a securing element (35) for the spindle. The actuating device also comprises a protective covering (24) at least partly covering the rear side of the handle plate and having at least one protrusion (39) as the securing element that lies near one end (37, 38) of the spindle. Preferred Features: The protective covering is made in one piece, especially as a plastic molded part.

IPC 8 full level

**E05B 7/00** (2006.01); **E05B 17/00** (2006.01); **B60J 5/04** (2006.01); **E05B 1/00** (2006.01); **E05B 5/00** (2006.01); **E05B 13/00** (2006.01); **E05B 65/12** (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP US)

**E05B 77/02** (2013.01 - EP US); **E05B 85/18** (2013.01 - EP US); **Y10S 292/31** (2013.01 - EP US); **Y10S 292/53** (2013.01 - EP US); **Y10T 70/5761** (2015.04 - EP US); **Y10T 70/577** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US); **Y10T 292/865** (2015.04 - EP US)

Citation (search report)

- [XY] JP H01162564 U 19891113
- [Y] US 5340174 A 19940823 - BENDER FREDERICK F [US], et al
- [XA] JP H06286467 A 19941011 - TOYOTA MOTOR CORP, et al
- [A] FR 2592909 A1 19870717 - RENAULT [FR]

Cited by

DE102011018750A1; EP2518244A3

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1580353 A2 20050928; EP 1580353 A3 20070328**; DE 102004015136 B3 20050929; JP 2005282351 A 20051013; US 2005210936 A1 20050929; US 7237411 B2 20070703

DOCDB simple family (application)

**EP 04029941 A 20041217**; DE 102004015136 A 20040327; JP 2005089782 A 20050325; US 7907605 A 20050315