

Title (en)

Lock for a door of a motor vehicle

Title (de)

Türschloss eines Kraftfahrzeuges

Title (fr)

Serrure pour porte de véhicule automobile

Publication

**EP 1405971 B1 20050629 (DE)**

Application

**EP 03015815 A 20030710**

Priority

DE 10246501 A 20021004

Abstract (en)

[origin: EP1405971A1] The vehicle door lock (6) has a torque transfer unit (14) with its carriers (15,16) and the flexible shaft section (17) in one piece, of an injection molded plastics material. The shaft has a circular or polygonal cross section. The cross section of the shaft is reduced locally by circular grooves or a spiral groove around it.

IPC 1-7

**E05B 65/12**; **E05B 17/04**

IPC 8 full level

**E05B 17/04** (2006.01); **E05B 65/12** (2006.01); **E05B 65/26** (2006.01)

CPC (source: EP US)

**E05B 17/041** (2013.01 - EP US); **E05B 85/06** (2013.01 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by

KR100923184B1; EP2085541A1; FR2926581A1; WO2004057136A1; WO2008152327A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1405971 A1 20040407**; **EP 1405971 B1 20050629**; AT E298833 T1 20050715; DE 10246501 A1 20040415; DE 50300697 D1 20050804; ES 2240892 T3 20051016; US 2004227354 A1 20041118

DOCDB simple family (application)

**EP 03015815 A 20030710**; AT 03015815 T 20030710; DE 10246501 A 20021004; DE 50300697 T 20030710; ES 03015815 T 20030710; US 67864403 A 20031006