

Title (en)
Outer door handle for vehicles

Title (de)
Türaussengriff für Fahrzeuge

Title (fr)
Poignée extérieure pour véhicules

Publication
EP 1243724 B1 20041027 (DE)

Application
EP 02003947 A 20020222

Priority
DE 10114583 A 20010324

Abstract (en)
[origin: EP1243724A2] The device acts on a lock via a connecting element and has a normally inoperative crash lock and a crash sensor responsive to inertial force that activates the crash lock in a crash. The crash lock blocks the connecting element and does not transfer an inertial force on the handle to the lock. The connecting element has a drive element that moves in a liquid medium whose viscosity varies depending on an electric field controlled by the sensor. The device acts on a lock via a connecting element (31) when operated and has a crash lock (30) for the connecting element that is normally inoperative and a crash sensor responsive to inertial force that activates the crash lock in the event of a crash. The crash lock blocks the connecting element and does not transfer an inertial actuation force on the handle to the lock. The connecting element has a drive element (32) that moves with it in a liquid medium (40) whose viscosity varies depending on an applied electric field controlled by the crash sensor.

IPC 1-7
E05B 7/00; **E05B 65/20**; **E05B 51/02**; **E05B 17/20**; **E05B 65/12**

IPC 8 full level
E05B 7/00 (2006.01); **E05B 17/20** (2006.01); **E05B 51/02** (2006.01); **E05B 65/12** (2006.01); **E05B 65/20** (2006.01); **E05B 77/06** (2014.01); **E05B 77/42** (2014.01); **E05B 17/00** (2006.01); **E05B 85/18** (2014.01)

CPC (source: EP US)
E05B 77/06 (2013.01 - EP US); **E05B 77/42** (2013.01 - EP US); **E05B 85/18** (2013.01 - EP US); **E05B 2047/0033** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10S 292/65** (2013.01 - EP US); **Y10T 292/57** (2015.04 - EP US)

Cited by
EP2133496A3; CN102187041A; EP1607555A3; KR101393814B1; DE102008009074A1; WO2008068259A1; WO2007022910A3; US9181732B2; DE102009038612A1; DE102009038612A9; DE102009038612A9; WO2010043573A1

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