

Title (en)

DEVICE FOR AUTOMATICALLY ACTUATING A VEHICLE DOOR

Title (de)

VORRICHTUNG ZUR AUTOMATISCHEN BETÄTIGUNG EINER FAHRZEUGTÜR

Title (fr)

DISPOSITIF POUR L'ACTIONNEMENT AUTOMATIQUE DE LA PORTIERE D'UN VEHICULE

Publication

EP 1379752 B1 20090722 (DE)

Application

EP 02735237 A 20020409

Priority

- DE 10117933 A 20010410
- EP 0203897 W 20020409

Abstract (en)

[origin: DE10117933A1] The automatic drive unit (4) is used for opening and closing a vehicle door. It includes a load sensor (10) to determine resistance to motion of the door. On given loading of the open door (1) a control signal is produced. The signal is sent to the electronic controller (12) for further processing.

IPC 8 full level

B60J 5/04 (2006.01); **B60J 5/10** (2006.01); **E05C 17/00** (2006.01); **E05F 15/622** (2015.01); **E05F 15/70** (2015.01)

CPC (source: EP US)

E05F 15/622 (2013.01 - EP US); **E05F 15/70** (2015.01 - EP US); **E05F 15/41** (2013.01 - EP US); **E05F 15/603** (2015.01 - EP US); **E05F 15/627** (2015.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/246** (2013.01 - EP US); **E05Y 2201/26** (2013.01 - EP US); **E05Y 2201/266** (2013.01 - EP US); **E05Y 2201/434** (2013.01 - EP US); **E05Y 2201/462** (2013.01 - EP US); **E05Y 2201/47** (2013.01 - EP US); **E05Y 2400/3013** (2024.05 - EP US); **E05Y 2400/3015** (2024.05 - EP US); **E05Y 2400/53** (2013.01 - EP US); **E05Y 2400/55** (2013.01 - EP US); **E05Y 2600/13** (2013.01 - EP US); **E05Y 2800/00** (2013.01 - EP US); **E05Y 2900/531** (2013.01 - EP US); **E05Y 2900/546** (2013.01 - EP US)

Cited by

CN106368547A; US10612288B2; US10352080B2; US10633906B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 10117933 A1 20021017; DE 50213700 D1 20090903; EP 1379752 A1 20040114; EP 1379752 B1 20090722; JP 2004523683 A 20040805; JP 4109121 B2 20080702; US 2004113456 A1 20040617; US 6877791 B2 20050412; WO 02084061 A1 20021024

DOCDB simple family (application)

DE 10117933 A 20010410; DE 50213700 T 20020409; EP 0203897 W 20020409; EP 02735237 A 20020409; JP 2002581787 A 20020409; US 47385903 A 20031003