

Title (en)

DRIVE DEVICE FOR A DEPLOYMENT ELEMENT OF A MOTOR VEHICLE

Title (de)

ANTRIEBSVORRICHTUNG FÜR EIN AUSSTELLELEMENT EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR UN ÉLÉMENT ORIENTABLE D'UN VÉHICULE AUTOMOBILE

Publication

EP 2510175 A1 20121017 (DE)

Application

EP 10720995 A 20100506

Priority

- DE 202009016813 U 20091211
- EP 2010002771 W 20100506

Abstract (en)

[origin: WO2011069565A1] The invention relates to a drive device (1) for a deployment element (6) of a motor vehicle, in particular for a pivotable hinged window, which can be moved between an open position (Po) and a closed position (Ps) in a motorized manner. A spur gear transmission (10) driven by an electric motor comprises an output gear (14) having a coupling lever (18) for coupling a deployment lever (4) in a rotationally movable manner, a spur gear (13) that meshes with the output gear (14), and an intermediate gear (11) that is coaxial with the spur gear (13). The output gear (14) has outer teeth having two teeth sections (14a, 14b) of different axial tooth width (b4). The deployment lever (4) that is coupled to the coupling lever (18) extends in a plane of symmetry (16) perpendicular to the rotational axes (12, 14) of the spur gear transmission (10).

IPC 8 full level

E05F 15/12 (2006.01)

CPC (source: EP US)

E05F 15/63 (2015.01 - EP US); **E05Y 2201/618** (2013.01 - EP US); **E05Y 2201/71** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US); **Y10T 74/188** (2015.01 - EP US); **Y10T 74/19651** (2015.01 - EP US); **Y10T 74/19874** (2015.01 - EP US)

Citation (search report)

See references of WO 2011069565A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 202009016813 U1 20110421; CN 102449256 A 20120509; CN 102449256 B 20150909; EP 2510175 A1 20121017; EP 2510175 B1 20131106; JP 2013513739 A 20130422; JP 5597720 B2 20141001; RU 2483183 C1 20130527; US 2012234116 A1 20120920; US 8607656 B2 20131217; WO 2011069565 A1 20110616

DOCDB simple family (application)

DE 202009016813 U 20091211; CN 201080023079 A 20100506; EP 10720995 A 20100506; EP 2010002771 W 20100506; JP 2012542372 A 20100506; RU 2011146826 A 20100506; US 201213486622 A 20120601