

Title (en)

Vehicle door fluid swivel drive

Title (de)

Fluidischer Fahrzeugtür-Schwenkantrieb

Title (fr)

Commande fluïdique pivotante d'une porte de véhicule

Publication

EP 2562342 A3 20141217 (DE)

Application

EP 12180508 A 20120815

Priority

DE 102011052961 A 20110824

Abstract (en)

[origin: EP2562342A2] The drive (1) has a position piston (14) guided into a working cylinder (4) for axial position movement in an axial position direction (17). A coupling mechanism (47) i.e. spindle drive, converts the axial position movement of the position piston into a pivoting movement (48) of a driving element (33). A sensor (59) is integrated in the drive to detect the axial position movement of the position piston. The position piston is not rotated over a guide bar (19), and the sensor is integrated partly into the guide bar. The sensor is a contactless sensor and a magnetostrictive sensor. An independent claim is also included for a method for operating of a vehicle door controller with a fluidic vehicle door pivot drive.

IPC 8 full level

E05F 15/04 (2006.01)

CPC (source: EP)

E05F 15/54 (2015.01); **E05Y 2400/328** (2013.01); **E05Y 2600/454** (2013.01); **E05Y 2900/506** (2013.01); **E05Y 2900/531** (2013.01); **F15B 15/06** (2013.01); **F15B 15/2815** (2013.01)

Citation (search report)

- [E] EP 2543807 A1 20130109 - ISAF BUS COMPONENTS S R L [IT]
- [Y] DE 102009027794 B3 20101028 - SCHULTE REINHOLD [DE]
- [Y] DE 102006047966 A1 20080110 - ASM AUTOMATION SENSORIK MESSTE [DE]
- [A] DE 102006003695 A1 20070809 - REHAU AG & CO [DE]
- [AD] DE 102007059564 A1 20090625 - STABILUS GMBH [DE]

Cited by

CN110552574A; DE102013100003A1; DE102013100002A1; EP2752545A2; EP2752546A2; EP3064696A1

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2562342 A2 20130227; EP 2562342 A3 20141217; EP 2562342 B1 20180117; DE 102011052961 A1 20130228; DE 102011052961 B4 20170126; ES 2666296 T3 20180503; PL 2562342 T3 20180831

DOCDB simple family (application)

EP 12180508 A 20120815; DE 102011052961 A 20110824; ES 12180508 T 20120815; PL 12180508 T 20120815