

Title (en)

Rotary actuator for moving a swivel swing door, particularly in vehicles

Title (de)

Drehantrieb zum Bewegen einer Drehschwingtür, insbesondere in Fahrzeugen

Title (fr)

Actionneur rotatif pour déplacer une porte battante pivotante, en particulier dans des véhicules

Publication

**EP 2543807 B1 20170726 (EN)**

Application

**EP 11425180 A 20110706**

Priority

EP 11425180 A 20110706

Abstract (en)

[origin: EP2543807A1] A rotary actuator (1) for moving a swivel swing door (2), particularly for vehicles, said rotary actuator (1) defining a rotation axis (3) and comprising a fluid dynamic linear actuator (4) and a screw drive (8) wherein a rotor shaft (10) of the screw drive forms a part of the cylinder (5) of the linear actuator.

IPC 8 full level

**E05F 15/54** (2015.01)

CPC (source: EP)

**E05F 15/54** (2015.01); **F15B 15/068** (2013.01); **E05F 1/1025** (2013.01); **E05Y 2900/506** (2013.01); **E05Y 2900/531** (2013.01)

Citation (examination)

- FR 2528128 A1 19831209 - THIAULT JEAN CLAUDE [FR]
- EP 0365377 A1 19900425 - CHORIN CHRISTIAN [FR], et al
- DE 3705369 A1 19880901 - BODE & CO GEB [DE]

Citation (opposition)

Opponent : IWN GmbH & Co. KG

- US 3255806 A 19660614 - MEYER KENNETH H, et al
- DE 102009027794 B3 20101028 - SCHULTE REINHOLD [DE]
- EP 0058323 A1 19820825 - ECKART GMBH & CO KG [DE]
- EP 0578995 A1 19940119 - UNIVER SPA [IT]
- FR 2528128 A1 19831209 - THIAULT JEAN CLAUDE [FR]
- DE 3705369 A1 19880901 - BODE & CO GEB [DE]
- EP 0365377 A1 19900425 - CHORIN CHRISTIAN [FR], et al
- DE 2062135 A1 19720706
- DE 102008034994 B3 20091112 - DAIMLER AG [DE], et al
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- DE 102007025375 A1 20081211 - SCHULTE REINHOLD [DE]
- IWN: "Schwenkantrieb", TECHNISCHE ZEICHNUNG, 25 June 2007 (2007-06-25), pages 1pp, XP055484008
- SKF GRUPPE: "Lagertechnik-Grundlagen /Passages/", WÄLZLAGER, December 1990 (1990-12-01), pages 2-5,13-27, 391, XP055484018
- W. BEITZ, K.-H. GROTE: "Dubbel Taschenbuch für den Maschinenbau", 2001, SPRINGER-VERLAG, article G. POLL: "4 Wälzlager. Rolling bearings", pages: 2pp, G80 - G81, XP055484028

Cited by

EP2562342A3; EP3477032A1

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 2543807 A1 20130109; EP 2543807 B1 20170726; EP 2543807 B2 20200318; IL 220595 A 20161229**

DOCDB simple family (application)

**EP 11425180 A 20110706; IL 22059512 A 20120621**