

Title (en)

Device for operating a swinging and sliding door for passenger vehicles, especially rail vehicles.

Title (de)

Vorrichtung zur Bewegung einer Schwenkschiebetür für Fahrzeuge zur Personenbeförderung, insbesondere Schienenfahrzeuge.

Title (fr)

Dispositif de manoeuvre d'une porte pivotante-coulissante pour véhicules de transport en commun, notamment ferroviaires.

Publication

**EP 0536528 B1 19950510 (DE)**

Application

**EP 92114697 A 19920828**

Priority

DE 4133179 A 19911007

Abstract (en)

[origin: US5263280A] A device for moving a swinging and sliding door in a mass-transit car, especially a car that travels along a track. Each panel of the door slides lengthwise along a guide element. The guide element moves as part of a four-point articulation across the plane of the panel. The lengthwise motion of the leaf is coordinated with its transverse motion by a rail. The rail is fastened to the doorframe. Guide means are fastened to the panel and engage the rail. A drive mechanism on the panel directs force toward the guide element. As the drive mechanism (20-22, 30 & 31, or 40 & 4n1) reacts it exerts torque on an expansion element (25, 35, or 45) between the guide element (3) and a supporting component (25.2, 35.2, or 45.2) attached to the doorframe (16). The torque produces a force substantially normal to the guide element. The force generates the transverse motion.

IPC 1-7

**B61D 19/00**; **B61D 19/02**

IPC 8 full level

**E05F 15/00** (2015.01); **B60J 5/06** (2006.01); **B61D 19/00** (2006.01); **B61D 19/02** (2006.01); **E05D 15/10** (2006.01); **E05D 15/58** (2006.01); **E05F 15/646** (2015.01); **E05F 15/652** (2015.01)

CPC (source: EP US)

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Cited by

WO2019058013A1; EP1516984A3; DE29905681U1; EP1724138A3; DE102014013728A1; AT520172A1; AT520172B1; EP0957019A3; EP3460153A1; CN111247303A; CN103924900A; EP3425152A1; EP1568563A1; EP1040979A2; WO2015154669A1; EP0875434A1; US9796397B2; WO2007037687A1; US8099903B2; EP0957019A2; US11359429B2

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AT CH DE DK ES FR GB IT LI NL SE

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DOCDB simple family (application)

**EP 92114697 A 19920828**; AT 92114697 T 19920828; CS 305992 A 19921007; DE 4133179 A 19911007; DE 59202141 T 19920828; DK 92114697 T 19920828; ES 92114697 T 19920828; HU 9203154 A 19921005; NO 923504 A 19920909; US 95509092 A 19921001