

Title (en)

Driving mechanism for entrance and exit systems, in particular doors of rail vehicles

Title (de)

Antriebsvorrichtung für Ein- und Ausstiegeinrichtungen, insbesondere für Türen von Schienenfahrzeugen

Title (fr)

Mécanisme d'entraînement pour systèmes d'accès et de sortie, notamment portes de véhicules sur rails

Publication

EP 1637684 A3 20060524 (DE)

Application

EP 05020074 A 20050915

Priority

DE 102004046546 A 20040920

Abstract (en)

[origin: EP1637684A2] A public transport railway car, tram or light railway has powered sliding doors moving between an upper rail and a lower rail with a dimensional tolerance adjustment mechanism. The dimensional tolerance adjustment mechanism is non-powered. The door has a motor-powered spindle (3) driving an associated spindle nut (8) that engages with the door. The spindle also acts as a guide for the door and has a steel core (3a) with a plastic mantle (3b).

IPC 8 full level

E05F 15/14 (2006.01); **E05D 15/06** (2006.01)

CPC (source: EP US)

E05D 15/0647 (2013.01 - EP); **E05F 15/652** (2015.01 - EP US); **E05F 15/655** (2015.01 - EP US); **E05D 15/0643** (2013.01 - EP); **E05Y 2201/608** (2013.01 - EP); **E05Y 2201/696** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US)

Citation (search report)

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- [X] US 5341598 A 19940830 - REDDY REDREDDY S [US]
- [A] US 5373754 A 19941220 - TAKEI SEIJI [JP]
- [A] US 5826377 A 19981027 - SIMSON ANTON K [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 424 (M - 761) 10 November 1988 (1988-11-10)

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WO2022078964A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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