

Title (en)  
DEVICE FOR SUSPENDING A SLIDING DOOR

Title (de)  
VORRICHTUNG ZUR AUFHÄNGUNG EINER SCHIEBETÜR

Title (fr)  
DISPOSITIF DE SUSPENSION D'UNE PORTE COULISSANTE

Publication  
**EP 2350412 A1 20110803 (DE)**

Application  
**EP 09751793 A 20091030**

Priority  
• EP 2009007791 W 20091030  
• AT 16972008 A 20081030

Abstract (en)  
[origin: WO2010049172A1] The invention relates to the suspension of a door leaf of a sliding door in rail-bound means of mass transportation, such as underground railways, passenger train cars, means of local public transportation, and the like, by means of carrying rollers (3) in a carrying rail (1) arranged in the upper region of the door leaf or above the door leaf. The invention is characterized in that a steel insert (2) having an at least substantially circular track is inserted into the carrying rail (1), that the carrying rollers (3) are designed as steel rollers having a concave cross-sectional shape on the running surface, and that an adjustment roller (7) is provided, which abuts the adjustment surface of the carrying rail (1) opposite of the steel insert (2) under preload.

IPC 8 full level  
**E05D 15/06** (2006.01); **E05F 15/14** (2006.01); **E05F 15/56** (2015.01)

CPC (source: EP US)  
**E05D 15/0626** (2013.01 - EP US); **E05D 15/0652** (2013.01 - EP US); **E05F 15/565** (2015.01 - EP US); **E05F 15/655** (2015.01 - EP US); **E05Y 2201/614** (2013.01 - EP US); **E05Y 2201/684** (2013.01 - EP US); **E05Y 2201/688** (2013.01 - EP US); **E05Y 2800/21** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US); **F16C 29/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010049172A1

Cited by  
CN108831253A

Designated contracting state (EPC)  
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)  
**WO 2010049172 A1 20100506**; AT 507492 A1 20100515; AT 507492 B1 20120115; CA 2742234 A1 20100506; CN 102197186 A 20110921; EP 2350412 A1 20110803; RU 2011121644 A 20121210; US 2011209306 A1 20110901

DOCDB simple family (application)  
**EP 2009007791 W 20091030**; AT 16972008 A 20081030; CA 2742234 A 20091030; CN 200980142831 A 20091030; EP 09751793 A 20091030; RU 2011121644 A 20091030; US 200913125738 A 20091030