

Title (en)  
Plugging-and-sliding door for railway trains

Title (de)  
Schwenkschiebetür für Eisenbahnwagen

Title (fr)  
Porte louvoyante coulissante pour des rames ferroviaires

Publication  
**EP 1710381 A1 20061011 (FR)**

Application  
**EP 06290528 A 20060403**

Priority  
• FR 0503363 A 20050405  
• FR 0506173 A 20050617

Abstract (en)  
The driving mechanism for a tacking/sliding door comprises a suspension tube linked at each end to a transversely-moving trolley, one joint having at least one degree of freedom for rotation in a horizontal plane and at least one in axial traverse, the other having at least one degree of freedom for rotation in a horizontal plane, while the door leaf has an arm with a slide socket operating with the suspension tube. A motorised tacking/sliding door comprising a suspended door leaf with a driving mechanism and a guide rail integral with the casing, in which the driving mechanism comprises a suspension tube (2) with one end linked to a transverse-moving trolley (3) by a joint with at least one degree of freedom for rotation in a horizontal plane and at least one in axial traverse and the other end linked to another transverse-moving trolley (3a) by a joint with at least one degree of freedom for rotation in a horizontal plane, while the door leaf has an arm (1) with a slide socket working with the tube (2).

IPC 8 full level  
**E05F 15/14** (2006.01); **B61D 19/02** (2006.01); **E05D 15/10** (2006.01)

CPC (source: EP US)  
**B61D 19/009** (2013.01 - EP US); **E05D 15/1068** (2013.01 - EP US); **E05F 15/652** (2015.01 - EP US); **E05F 15/655** (2015.01 - EP US); **E05D 15/58** (2013.01 - EP); **E05D 2015/1071** (2013.01 - EP); **E05Y 2201/22** (2013.01 - EP); **E05Y 2201/434** (2013.01 - EP); **E05Y 2201/604** (2013.01 - EP); **E05Y 2201/624** (2013.01 - EP); **E05Y 2201/64** (2013.01 - EP); **E05Y 2201/686** (2013.01 - EP); **E05Y 2800/102** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US)

Citation (search report)  
• [X] FR 2133309 A5 19721124 - FAIVELEY SA  
• [A] US 4924625 A 19900515 - DILCHER DIETMAR [DE]  
• [A] FR 2053406 A1 19710416 - BARDET ETS ANDRE

Cited by  
CN105672776A; CN114687638A; CN105507780A; CN108643751A; EP2441641A4; US10119319B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1710381 A1 20061011**; **EP 1710381 B1 20080813**; AT E404768 T1 20080815; DE 602006002156 D1 20080925; DK 1710381 T3 20081215; ES 2313583 T3 20090301; FR 2883905 A1 20061006; FR 2883905 A3 20061006; PL 1710381 T3 20090227; PT 1710381 E 20081121; SI 1710381 T1 20090228

DOCDB simple family (application)  
**EP 06290528 A 20060403**; AT 06290528 T 20060403; DE 602006002156 T 20060403; DK 06290528 T 20060403; ES 06290528 T 20060403; FR 0506173 A 20050617; PL 06290528 T 20060403; PT 06290528 T 20060403; SI 200630113 T 20060403