

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
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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)
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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

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