

Title (en)  
DRIVE FOR RAIL VEHICLES

Title (de)  
ANTRIEB FÜR SCHIENENFAHRZEUGE

Title (fr)  
SYSTÈME D'ENTRAÎNEMENT POUR VÉHICULES SUR RAILS

Publication  
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Application  
**EP 11720750 A 20110511**

Priority  
• DE 102010020981 A 20100512  
• EP 2011057612 W 20110511

Abstract (en)  
[origin: WO2011141510A1] The invention relates to a drive for rail vehicles, comprising - a drive motor (1) with a stator (22) and a rotor (4) and - at least one wheel (7) which is driven by the drive motor (1), or a wheel set (7a, 7b) which is driven by the drive motor and which rolls on the rails of a track when the rail vehicle operates, wherein the stator (22) of the drive motor (1) is supported via a cardanically movable suspension (2) on a bogie (100) of the rail vehicle, on a wagon body of the rail vehicle or on a structure which is connected to the bogie and/or to the wagon body, and the rotor (4) of the drive motor (1) is coupled via a cardanically movable joint (5) and/or via a cardanically movable coupling to the wheel (7), to the wheel set (7a, 7b), to at least one wheel of the wheel set and/or to a shaft of the wheel set, with the result that when the rail vehicle operates the drive force of the drive motor (1) is transmitted via the joint (5) and/or the coupling.

IPC 8 full level  
**B61C 9/50** (2006.01)

CPC (source: EP)  
**B61C 9/50** (2013.01)

Citation (opposition)  
Opponent :  
• DE 1916078 A1 19701001 - SIEMENS AG  
• DE 1530034 A1 19710729 - SIEMENS AG  
• WO 2009056415 A1 20090507 - SIEMENS TRANSPORTATION SYSTEMS [AT], et al  
• DE 3514124 A1 19860320 - THYSSEN INDUSTRIE [DE]

Cited by  
US11318965B2

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
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EP 2569197 B1 20170510; EP 2569197 B2 20220119; ES 2635592 T3 20171004; ES 2635592 T5 20220513; PL 2569197 T3 20170929;  
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