

Title (en)  
DRIVE FOR RAIL VEHICLES

Title (de)  
ANTRIEB FÜR SCHIENENFAHRZEUGE

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

Publication  
**EP 2569197 B1 20170510 (DE)**

Application  
**EP 11720750 A 20110511**

Priority  
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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 (examination)  
• EP 1197412 A2 20020417 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]  
• EP 0175867 A1 19860402 - THYSEN INDUSTRIE [DE]

Citation (opposition)  
Opponent : Siemens Aktiengesellschaft,  
• DE 1916078 A1 19701001 - SIEMENS AG  
• DE 2925836 A1 19801113 - BBC BROWN BOVERI & CIE  
• DE 3514124 A1 19860320 - THYSEN INDUSTRIE [DE]  
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• DE 1530034 A1 19710729 - SIEMENS AG  
• EP 1197412 A2 20020417 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]  
• WO 02079660 A1 20021010 - COMPACT DYNAMICS GMBH [DE], et al  
• ANONYMOUS: "Kardanwelle, Wikipedia", 15 April 2008 (2008-04-15), pages 1, XP055463463, Retrieved from the Internet <URL:https://de.wikipedia.org/w/index.php?title=Kardanwelle&oldid=44941460>

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US11318965B2

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