

Title (en)
DRIVE FOR RAIL VEHICLES

Title (de)
ANTRIEB FÜR SCHIENENFAHRZEUGE

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

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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

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