

Title (en)

RAIL VEHICLE AND METHOD FOR OPERATING A RAIL VEHICLE

Title (de)

SCHIENENFAHRZEUG UND VERFAHREN ZUM BETRIEB EINES SCHIENENFAHRZEUGES

Title (fr)

VÉHICULE FERROVIAIRE ET PROCÉDÉ DE COMMANDE D'UN VÉHICULE FERROVIAIRE

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Application

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Abstract (en)

[origin: WO2017220182A1] The invention relates to a rail vehicle (1) comprising a vehicle frame (4) supported on rail-mounted travel units (2, 3) and a hydraulic drive system (6) driven by a motor (5). The hydraulic drive system comprises a hydrodynamic drive (7) associated with a first rail-mounted travel unit (2), and a hydrostatic drive (8) associated with a second rail-mounted travel unit (3). A drive pump (10) connected to a drive motor (9) is associated therewith. The motor (5) is designed to provide more power than what is required for driving the hydrodynamic drive (7). A pump distribution gear mechanism (11) is interposed between the motor (5) and the hydrodynamic drive (7), via which the drive pump (10) of the hydrostatic drive (8) can be connected. The occurs in accordance with a friction value μ between rails (18) and a wheel (19).

IPC 8 full level

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