

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

Publication

EP 3472018 A1 20190424 (DE)

Application

EP 17726541 A 20170526

Priority

- AT 1482016 U 20160621
- EP 2017000625 W 20170526

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

B61C 9/14 (2006.01)

CPC (source: AT EA EP US)

B61C 9/14 (2013.01 - AT EA); **B61C 9/16** (2013.01 - EP US); **B61C 9/18** (2013.01 - EA EP US); **B61C 9/42** (2013.01 - AT); **B61C 15/14** (2013.01 - EP US); **B61D 15/00** (2013.01 - EP)

Citation (search report)

See references of WO 2017220182A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017220182 A1 20171228; AT 15564 U1 20180115; CA 3022474 A1 20171228; CN 109562766 A 20190402; CN 109562766 B 20200707; EA 036624 B1 20201201; EA 201800532 A1 20190531; EP 3472018 A1 20190424; EP 3472018 B1 20200715; ES 2813608 T3 20210324; JP 2019527161 A 20190926; JP 6877468 B2 20210526; US 11091177 B2 20210817; US 2019144008 A1 20190516

DOCDB simple family (application)

EP 2017000625 W 20170526; AT 1482016 U 20160621; CA 3022474 A 20170526; CN 201780038326 A 20170526; EA 201800532 A 20170526; EP 17726541 A 20170526; ES 17726541 T 20170526; JP 2018566873 A 20170526; US 201716099534 A 20170526