Title (en)

VEHICLE ELECTRICAL SYSTEM FOR A RAIL VEHICLE, METHOD FOR OPERATING THE VEHICLE ELECTRICAL SYSTEM, AND RAIL VEHICLE

Title (de)

BORDNETZ FÜR EIN SCHIENENFAHRZEUG, VERFAHREN ZUM BETREIBEN DES BORDNETZES UND SCHIENENFAHRZEUG

Title (fr)

RÉSEAU DE BORD POUR UN VÉHICULE FERROVIAIRE, PROCÉDÉ POUR LE FONCTIONNEMENT DU RÉSEAU DE BORD ET VÉHICULE FERROVIAIRE

Publication

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Application

EP 18734458 A 20180613

Priority

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- EP 2018065600 W 20180613

Abstract (en)

[origin: WO2019001955A1] The invention relates to a vehicle electrical system (12) for a rail vehicle (2), comprising: a bus bar (20); an energy supply unit (22a) for supplying electrical energy to the bus bar (20); a bus bar supply line (24a), which is connected to an output side (42) of the energy supply unit (22a) and to the bus bar (20) and has a switch (44); an auxiliary system (26a); and a first auxiliary system supply line (28a), which is connected to the bus bar (20) and to the auxiliary system (26a). In order to make it possible to reliably supply the auxiliary system (26a) with electrical energy, according to the invention, the vehicle electrical system (12) comprises a second auxiliary system supply line (28b), which is connected to the auxiliary system (26a) and to the output side (42) of the energy supply unit (22a), for bypassing the bus bar (20), the two auxiliary system supply lines (28a, 28b) each having a switch (44).

IPC 8 full level

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CPC (source: EP RU US)

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Citation (search report)

See references of WO 2019001955A1

Designated contracting state (EPC)

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