

Title (en)

POWER NETWORK FOR A MOTOR VEHICLE AND METHOD FOR OPERATING A POWER NETWORK FOR A MOTOR VEHICLE

Title (de)

ENERGIENETZ FÜR EIN KRAFTFAHRZEUG UND VERFAHREN ZUM BETREIBEN EINES ENGERIENETZES FÜR EIN KRAFTFAHRZEUG

Title (fr)

RÉSEAU D'ÉNERGIE POUR UN VÉHICULE À MOTEUR ET PROCÉDÉ DE FONCTIONNEMENT D'UN RÉSEAU D'ÉNERGIE POUR UN VÉHICULE À MOTEUR

Publication

EP 3934941 A1 20220112 (DE)

Application

EP 20708474 A 20200302

Priority

- DE 102019105504 A 20190305
- EP 2020055428 W 20200302

Abstract (en)

[origin: WO2020178233A1] The invention relates to a high-availability power network (E) for a motor vehicle having a manual or highly automated driving function. For this purpose, the power network (E) comprises a first partial power network (T1), which is connected to a supply potential (KL30.B), a second partial power network (T2), and a coupling element (K, Kx) which couples the second partial power network (T2) via the first partial power network (T1) to the supply potential (KL30.B). The coupling element (K, Kx) has a reversible disconnect function, such that the coupling element (K, Kx) is designed to reversibly decouple the first partial power network (T1) from the second partial power network (T2) according to a physical value of the first partial power network (T1).

IPC 8 full level

B60R 16/03 (2006.01); **H02J 1/10** (2006.01)

CPC (source: EP US)

B60R 16/03 (2013.01 - EP); **B60R 16/033** (2013.01 - US); **H02J 1/08** (2013.01 - EP); **H02J 1/082** (2020.01 - EP); **H02J 2310/48** (2020.01 - EP)

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)

DE 102019105504 A1 20200910; CN 113613957 A 20211105; EP 3934941 A1 20220112; US 12012057 B2 20240618; US 2022185209 A1 20220616; WO 2020178233 A1 20200910

DOCDB simple family (application)

DE 102019105504 A 20190305; CN 202080019013 A 20200302; EP 2020055428 W 20200302; EP 20708474 A 20200302; US 202017436489 A 20200302