

Title (en)

METHOD FOR CHARGING A HIGH-VOLTAGE BATTERY OF AN ELECTRIC DRIVE OF A VEHICLE, AND POWER TRANSMISSION SYSTEM FOR A VEHICLE

Title (de)

VERFAHREN ZUM AUFLADEN EINER HOCHVOLT-BATTERIE EINES ELEKTROANTRIEBS EINES FAHRZEUGS, SOWIE ENERGIEÜBERTRAGUNGSSYSTEM FÜR EIN FAHRZEUG

Title (fr)

PROCÉDÉ DE CHARGE D'UNE BATTERIE HAUTE TENSION D'UNE MOTORISATION ÉLECTRIQUE D'UN VÉHICULE, ET SYSTÈME DE TRANSFERT D'ÉNERGIE POUR UN VÉHICULE

Publication

EP 3962770 A1 20220309 (DE)

Application

EP 20734378 A 20200623

Priority

- DE 102019209476 A 20190628
- EP 2020067440 W 20200623

Abstract (en)

[origin: WO2020260244A1] The invention relates to a method for charging a high-voltage battery (3) of an electric drive (14) of a vehicle (1), in which electrical power is transmitted from a low-voltage on-board electrical system (4) of the vehicle (1) to the high-voltage battery (3), and, to aid starting of the vehicle (1), electrical power is transmitted from a separate external unit (9) to the low-voltage on-board electrical system (4) of the vehicle (1) and is transmitted from the low-voltage on-board electrical system (4) to the high-voltage battery (3). The invention also relates to a power transmission system (8).

IPC 8 full level

B60L 53/14 (2019.01); **H02J 7/34** (2006.01)

CPC (source: CN EP US)

B60L 3/0046 (2013.01 - EP); **B60L 53/14** (2019.02 - CN EP); **B60L 53/18** (2019.02 - US); **H02J 1/082** (2020.01 - EP US); **H02J 7/0013** (2013.01 - US); **H02J 7/342** (2020.01 - EP US); **B60L 2210/10** (2013.01 - EP US); **H02J 2207/20** (2020.01 - US); **H02J 2310/48** (2020.01 - EP US); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/14** (2013.01 - 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 102019209476 A1 20201231; CN 114025987 A 20220208; EP 3962770 A1 20220309; US 11945321 B2 20240402; US 2022355685 A1 20221110; WO 2020260244 A1 20201230

DOCDB simple family (application)

DE 102019209476 A 20190628; CN 202080047529 A 20200623; EP 2020067440 W 20200623; EP 20734378 A 20200623; US 202017621652 A 20200623