

Title (en)

ELECTRIC DRIVE SYSTEM FOR A VEHICLE, AND METHOD FOR OPERATING AN ELECTRIC DRIVE SYSTEM

Title (de)

ELEKTRISCHES ANTRIEBSSYSTEM FÜR EIN FAHRZEUG, SOWIE VERFAHREN ZUM BETREIBEN EINES ELEKTRISCHEN ANTRIEBSSYSTEMS

Title (fr)

SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE POUR UN VÉHICULE ET PROCÉDÉ D'ACTIONNEMENT D'UN SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2023006749A1] The invention relates to an electric drive system (1) for a vehicle, comprising: - a first three-phase electric machine (5) and a second three-phase electric machine (6) for driving at least one drive axle (4) of the vehicle; - an electrical energy store (2) for electrically supplying the first and second three-phase electric machines (5, 6) during driving operation of the vehicle, to which electrical energy store (2) a first inverter (9) of the first three-phase electric machine (5) and a second inverter (10) of the second three-phase electric machine (6) are each coupled; and - an onboard charging terminal (3) for electrically coupling the electrical energy store (2) to a charging unit (11) external to the vehicle; wherein, in accordance with the first and/or second inverter (9, 10), a charging voltage (UL) of the onboard charging terminal (3) can be converted into a supply voltage (UV) for charging the electrical energy store (2). The invention also relates to a method.

IPC 8 full level

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