

Title (en)

ELECTRICAL DRIVE SYSTEM FOR AN ELECTRICALLY OPERATED VEHICLE, AND METHOD FOR INDUCTIVELY CHARGING AN ENERGY STORAGE DEVICE OF AN ELECTRICALLY OPERATED VEHICLE

Title (de)

ELEKTRISCHES ANTRIEBSSYSTEM FÜR EIN ELEKTRISCH BETRIEBENES FAHRZEUG UND VERFAHREN ZUM INDUKTIVEN LADEN EINER ENERGIESPEICHEREINRICHTUNG EINES ELEKTRISCH BETRIEBENEN FAHRZEUGS

Title (fr)

SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE POUR VÉHICULE ÉLECTRIQUE ET PROCÉDÉ DE CHARGE INDUCTIVE D'UN DISPOSITIF ACCUMULATEUR D'ÉNERGIE D'UN VÉHICULE ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2019154683A1] The present invention provides an electrical drive system (1) for an electrically operated vehicle (F1), comprising an electrical machine (EM) by means of which a traction drive of the electrically operated vehicle (F1) can be driven; an energy storage device (B) by means of which the electrical machine (EM) can be operated; an inverter device (INV) by means of which the energy storage device (B) is connected to the electrical machine (EM); a first inductance (L1) by means of which the energy storage device (B) can be inductively charged, wherein the electrical machine (EM) comprises a housing (3) and the first inductance (L1) is integrated into the housing (3) or is arranged directly on the housing (3); and a converter device (W), which is connected to the first inductance (L1) and to the energy storage device (B), for charging the energy storage device (B).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019154683A1

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