

Title (en)

TRACTION ARCHITECTURE FOR A MOTOR VEHICLE, WITH INTEGRATED INVERTER AND POWER CONVERTER

Title (de)

TRAKTIONSARCHITEKTUR FÜR EIN KRAFTFAHRZEUG MIT INTEGRIERTEM WECHSELRICHTER UND LEISTUNGSWANDLER

Title (fr)

ARCHITECTURE DE TRACTION POUR VÉHICULE AUTOMOBILE À ONDULEUR ET CONVERTISSEUR DE PUISSANCE INTÉGRÉS

Publication

EP 3802184 A1 20210414 (FR)

Application

EP 19737171 A 20190528

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- FR 2019051251 W 20190528

Abstract (en)

[origin: WO2019229373A1] Disclosed is a traction architecture (10) for a motor vehicle, comprising: - at least one rotating electrical machine (23) mounted on a gear train (24) of the motor vehicle via a speed reducing unit (25) meshing with a differential gear (17.2) of said gear train (24); - at least one inverter (30) paired with the rotating electrical machine (23), - a power converter (37) to serve as interface with a first electrical network (32) and a second electrical network (36) of the motor vehicle, characterized in that inside a housing (53) shared with the inverter there are grouped together: - a power converter for serving as interface with a first electrical network and a second electrical network of the motor vehicle, and/or - a control unit (31.2) for controlling a device (41) for disconnecting the rotating electrical machine from the wheels, and a control unit (31.3) for controlling a device (48) for blocking the wheels when the motor vehicle is stopped, said device being integrated into the differential gear.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019229373A1

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