

Title (en)

POWER CONVERTER DEVICE FOR A VEHICLE, AND VEHICLE

Title (de)

STROMRICHTEREINRICHTUNG FÜR EIN FAHRZEUG UND FAHRZEUG

Title (fr)

DISPOSITIF CONVERTISSEUR POUR UN VÉHICULE ET VÉHICULE

Publication

EP 3794915 A1 20210324 (DE)

Application

EP 19725048 A 20190509

Priority

- DE 102018111630 A 20180515
- EP 2019061928 W 20190509

Abstract (en)

[origin: WO2019219500A1] Power converter device (1) for a vehicle (28), comprising a cooling structure (2) through which a cooling medium can flow and an intermediate circuit capacitor (3) with a busbar arrangement (4), wherein the busbar arrangement (4) is thermally conductively connected to the cooling structure (2) for the purpose of dissipating heat from the intermediate circuit capacitor (3) at least in sections by means of a heat-conducting means (5).

IPC 8 full level

H05K 7/20 (2006.01)

CPC (source: EP KR US)

H02M 7/003 (2013.01 - US); **H05K 7/1432** (2013.01 - US); **H05K 7/20927** (2013.01 - EP KR US)

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 102018111630 A1 20191121; CN 112106455 A 20201218; CN 112106455 B 20231031; EP 3794915 A1 20210324; JP 2021523669 A 20210902; KR 20210008366 A 20210121; US 11464141 B2 20221004; US 2021144887 A1 20210513; WO 2019219500 A1 20191121

DOCDB simple family (application)

DE 102018111630 A 20180515; CN 201980030778 A 20190509; EP 19725048 A 20190509; EP 2019061928 W 20190509; JP 2020563955 A 20190509; KR 20207034050 A 20190509; US 201917043873 A 20190509