

Title (en)

HOUSING ASSEMBLY FOR AN ELECTRIC DRIVE OR AN ELECTRIC DRIVE UNIT, MOTOR AND VEHICLE

Title (de)

GEHÄUSEBAUGRUPPE FÜR EINEN ELEKTRISCHEN ANTRIEB ODER EINE ELEKTRISCHE ANTRIEBSEINHEIT, MOTOR UND FAHRZEUG

Title (fr)

SOUS-ENSEMBLE CARTER POUR UN GROUPE DE PROPULSION ÉLECTRIQUE OU UNE UNITÉ DE PROPULSION ÉLECTRIQUE, MOTEUR ET VÉHICULE

Publication

EP 3782267 A1 20210224 (DE)

Application

EP 19727351 A 20190527

Priority

- DE 102018113099 A 20180601
- EP 2019063621 W 20190527

Abstract (en)

[origin: WO2019228966A1] The invention relates to a housing assembly (10) for an electric drive or an electric drive unit, in particular of a motor vehicle, comprising a housing (12), a cooling fluid (12b) and an inverter (20), the housing (12) forming a cooling circuit (12a) for holding the cooling fluid (12b), which housing has at least one first cavity (14), and the inverter (20) having at least one capacitor assembly (30) for arranging in the first cavity (14) of the housing (12). The capacitor assembly (30) is designed to have at least one capacitor (32), in particular a wound capacitor, a shell (36) for holding the capacitor (32), and a thermal conduction element (34), in particular a thermally conductive resin (34), for embedding the capacitor (32) in the shell (36). The capacitor assembly (30) can be coupled directly to the housing (12). The invention also relates to a motor and to a vehicle.

IPC 8 full level

H02K 11/33 (2016.01); **H02K 5/04** (2006.01); **H02K 9/19** (2006.01)

CPC (source: EP US)

H02K 5/04 (2013.01 - US); **H02K 5/20** (2013.01 - US); **H02K 9/00** (2013.01 - US); **H02K 11/33** (2016.01 - EP US); **H02K 5/04** (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 102018113099 A1 20191205; CN 112640269 A 20210409; EP 3782267 A1 20210224; US 11881753 B2 20240123; US 2021218310 A1 20210715; WO 2019228966 A1 20191205

DOCDB simple family (application)

DE 102018113099 A 20180601; CN 201980048554 A 20190527; EP 19727351 A 20190527; EP 2019063621 W 20190527; US 201915734118 A 20190527