

Title (en)

HOUSING ARRANGEMENT FOR RECEIVING ELECTRICAL STORAGE MEANS

Title (de)

GEHÄUSEANORDNUNG ZUR AUFNAHME ELEKTRISCHER SPEICHERMITTEL

Title (fr)

SYSTÈME DE BOÎTIER SERVANT À RECEVOIR DES MOYENS DE STOCKAGE ÉLECTRIQUES

Publication

EP 4000122 A1 20220525 (DE)

Application

EP 20742238 A 20200715

Priority

- DE 102019210400 A 20190715
- EP 2020070044 W 20200715

Abstract (en)

[origin: WO2021009256A1] The invention relates to a housing arrangement for receiving electrical storage means for an electrically powered motor vehicle, comprising: a frame (5), which comprises a plurality of frame elements (31, 32, 33, 34) made of a metallic material, at least one of the frame elements (31, 32, 33, 34) having a variable sheet thickness over a longest edge; a base (4), which is connected to the frame (5) in such a way that a sealed trough is formed; and a lid (6), which is separably connectable to the frame (5), with the base (4), the frame (5) and the lid (6) enclosing a receiving space for electrical storage means (3), the base (4) having an integrated cooling structure, through which a coolant can flow.

IPC 8 full level

H01M 10/613 (2014.01); **H01M 10/625** (2014.01); **H01M 10/6556** (2014.01)

CPC (source: CN EP US)

H01M 10/613 (2015.04 - CN EP US); **H01M 10/625** (2015.04 - CN EP US); **H01M 10/647** (2015.04 - US); **H01M 10/6554** (2015.04 - CN); **H01M 10/6556** (2015.04 - CN EP US); **H01M 10/6568** (2015.04 - CN); **H01M 50/204** (2021.01 - CN EP); **H01M 50/22** (2021.01 - US); **H01M 50/224** (2021.01 - EP); **H01M 50/236** (2021.01 - US); **H01M 50/244** (2021.01 - CN US); **H01M 50/249** (2021.01 - CN US); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (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 102019210400 A1 20210121; CN 114175374 A 20220311; CN 114175374 B 20241011; EP 4000122 A1 20220525; US 2022247012 A1 20220804; WO 2021009256 A1 20210121

DOCDB simple family (application)

DE 102019210400 A 20190715; CN 202080051311 A 20200715; EP 2020070044 W 20200715; EP 20742238 A 20200715; US 202017626541 A 20200715