

Title (en)

PRODUCTION OF A CELL CASING OF A BATTERY CELL, AND CELL CASING

Title (de)

HERSTELLEN EINES ZELLGEHÄUSES EINER BATTERIEZELLE SOWIE ZELLGEHÄUSE

Title (fr)

FABRICATION D'UN BOÎTIER DE CELLULE POUR UNE CELLULE DE BATTERIE ET BOÎTIER DE CELLULE

Publication

EP 4229709 A1 20230823 (DE)

Application

EP 21786374 A 20210929

Priority

- DE 102020127408 A 20201019
- EP 2021076775 W 20210929

Abstract (en)

[origin: WO2022083992A1] The invention relates to a method for producing a cell casing (11) for a battery cell with an integrated cell heater (3), in which method a layer-like planar cell heater (3) is applied to a flat face (4) of a first metal layer (1), and subsequently a composite stack consisting of at least the first metal layer (1) and the cell heater (3) is folded in such a way that another flat face of the first metal layer (1) forms an inner face of the cell casing (11). A battery (E) has a plurality of battery cells which each have a cell casing (11) of this kind, wherein the second metal layers (2) of the cell casings (11) are electrically interconnected. An electrically operated vehicle comprises at least one battery having at least one battery cell which comprises a cell casing of this kind and/or a battery of this kind.

IPC 8 full level

H01M 50/103 (2021.01); **B60K 1/04** (2019.01); **H01M 10/615** (2014.01); **H01M 10/625** (2014.01); **H01M 10/657** (2014.01); **H01M 50/119** (2021.01); **H01M 50/126** (2021.01); **H01M 50/128** (2021.01); **H01M 50/136** (2021.01)

CPC (source: EP US)

B60L 50/64 (2019.01 - US); **B60L 58/27** (2019.01 - US); **H01M 10/615** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/657** (2015.04 - EP); **H01M 50/103** (2021.01 - EP); **H01M 50/119** (2021.01 - EP); **H01M 50/126** (2021.01 - EP); **H01M 50/128** (2021.01 - EP); **H01M 50/136** (2021.01 - EP); **B60K 1/04** (2013.01 - EP); **B60K 2001/008** (2013.01 - EP); **H01M 10/6551** (2015.04 - EP); **H01M 2220/20** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2022083992A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022083992 A1 20220428; CN 116235346 A 20230606; DE 102020127408 A1 20220421; EP 4229709 A1 20230823; US 2023378563 A1 20231123

DOCDB simple family (application)

EP 2021076775 W 20210929; CN 202180065443 A 20210929; DE 102020127408 A 20201019; EP 21786374 A 20210929; US 202118031023 A 20210929