

Title (en)

STRUCTURAL ELECTROCHEMICAL STORAGE ASSEMBLY FOR A MOTOR VEHICLE

Title (de)

STRUKTURELLE ELEKTROCHEMISCHE SPEICHERANORDNUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)

ENSEMBLE DE STOCKAGE ÉLECTROCHIMIQUE STRUCTUREL POUR UN VÉHICULE AUTOMOBILE

Publication

EP 4252300 A1 20231004 (FR)

Application

EP 21811079 A 20211122

Priority

- FR 2012167 A 20201126
- EP 2021082423 W 20211122

Abstract (en)

[origin: WO2022112147A1] A structural electrochemical storage assembly for a motor vehicle, comprising an electrochemical energy storage device comprising at least a group of two banks (4) of solid electrochemical storage elements (1), the banks being superposed on top of one another, and at least one piece made of compressible material (8), which is positioned and compressed between the at least two superposed banks (4) of electrochemical storage elements (1), and a beam (11) comprising two profile sections hollowed out and open on one of their faces and assembled with one another via their respective so-called open face and along their respective edges, the profile sections containing the device of the at least two superposed banks of electrochemical storage elements, and the two profiled elements being dimensioned and assembled in such a way as to keep the piece of compressible material (8) that is positioned between the two superposed electrochemical banks compressed.

IPC 8 full level

H01M 10/04 (2006.01); **H01M 10/0565** (2010.01); **H01M 50/204** (2021.01); **H01M 50/242** (2021.01); **H01M 50/249** (2021.01); **H01M 50/502** (2021.01)

CPC (source: EP KR US)

B60R 16/04 (2013.01 - US); **H01M 10/0481** (2013.01 - EP KR US); **H01M 10/0565** (2013.01 - KR); **H01M 50/204** (2021.01 - EP KR); **H01M 50/209** (2021.01 - US); **H01M 50/224** (2021.01 - US); **H01M 50/242** (2021.01 - EP KR US); **H01M 50/249** (2021.01 - EP KR US); **H01M 50/262** (2021.01 - US); **H01M 50/502** (2021.01 - EP KR); **H01M 50/503** (2021.01 - US); **H01M 50/509** (2021.01 - US); **H01M 50/517** (2021.01 - US); **H01M 50/588** (2021.01 - US); **H01M 50/593** (2021.01 - US); **H01M 10/0565** (2013.01 - EP); **H01M 2220/20** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR); **Y02T 10/70** (2013.01 - EP KR)

Citation (search report)

See references of WO 2022112147A1

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)

FR 3116656 A1 20220527; **FR 3116656 B1 20221014**; CN 116547859 A 20230804; EP 4252300 A1 20231004; KR 20230110728 A 20230725; US 2023402643 A1 20231214; WO 2022112147 A1 20220602

DOCDB simple family (application)

FR 2012167 A 20201126; CN 202180078892 A 20211122; EP 2021082423 W 20211122; EP 21811079 A 20211122; KR 20237016500 A 20211122; US 202118253453 A 20211122