

Title (en)

CELL BATTERY COOLED BY COOLING PLATES IN RADIATOR CONFIGURATION

Title (de)

DURCH KÜHLPLATTEN GEKÜHLTE ZELLENBATTERIE IN EINER KÜHLERKONFIGURATION

Title (fr)

BATTERIE A CELLULES REFROIDIES PAR DES PLAQUES DE REFROIDISSEMENT EN CONFIGURATION DE RADIATEUR

Publication

EP 3811456 A1 20210428 (FR)

Application

EP 19739331 A 20190605

Priority

- FR 1855545 A 20180622
- FR 2019051334 W 20190605

Abstract (en)

[origin: WO2019243697A1] The invention relates to a battery (1) comprising cooling plates (2), of cells (3a, 3b, 3c, 3d) producing an electric current and bars (4) for assembling the cells (3a, 3b, 3c, 3d), as well as an inlet manifold (5) and an outlet manifold (6) of cooling liquid circulating in the cooling plates (2). The cooling plates (2) are distributed in a plurality of parallel rows, each row extending from the inlet manifold (5) to the outlet manifold (6), two cells (3a, 3b) being associated with a cooling plate (2) between each pair of adjacent assembly bars (4), the two cells (3a, 3b) extending parallel to the associated cooling plate (2).

IPC 8 full level

H01G 11/12 (2013.01); **H01M 10/6555** (2014.01); **H01M 10/6557** (2014.01); **H01M 10/6567** (2014.01); **H01M 50/204** (2021.01)

CPC (source: EP US)

H01G 11/12 (2013.01 - EP); **H01G 11/18** (2013.01 - EP); **H01M 10/613** (2015.04 - EP); **H01M 10/625** (2015.04 - EP); **H01M 10/647** (2015.04 - EP); **H01M 10/6555** (2015.04 - EP); **H01M 10/6557** (2015.04 - EP); **H01M 10/6567** (2015.04 - EP); **H01M 50/204** (2021.01 - EP US); **H01M 50/209** (2021.01 - EP); **H01M 50/249** (2021.01 - EP); **H01M 50/264** (2021.01 - EP); **H01M 50/30** (2021.01 - EP); **H01M 2220/20** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2019243697A1

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)

WO 2019243697 A1 20191226; CN 112335096 A 20210205; EP 3811456 A1 20210428; FR 3083008 A1 20191227; FR 3083008 B1 20200717

DOCDB simple family (application)

FR 2019051334 W 20190605; CN 201980040832 A 20190605; EP 19739331 A 20190605; FR 1855545 A 20180622