

Title (en)

METHOD FOR MANUFACTURING BATTERIES AND BATTERY OBTAINED BY SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BATTERIEN UND NACH DIESEM VERFAHREN HERGESTELLTE BATTERIE

Title (fr)

PROCÉDÉ DE FABRICATION DE BATTERIES, ET BATTERIE OBTENUE PAR CE PROCÉDÉ

Publication

EP 3903362 A1 20211103 (FR)

Application

EP 19845582 A 20191224

Priority

- FR 1874096 A 20181224
- FR 2019000220 W 20191224

Abstract (en)

[origin: CA3124637A1] Battery comprising at least one anode and at least one cathode, arranged on top of one another in an alternating manner, the battery comprising lateral edges comprising an anode connection area and a cathode connection area, preferably laterally opposite the anode connection area, and longitudinal edges, in which the anode comprises a current collector substrate, - at least one anode layer, and - optionally, a layer of an electrolyte material, and the cathode comprises: - a current collector substrate, at least one cathode layer, and - optionally a layer of an electrolyte material such that the battery comprises successively at least one anode layer, at least one layer of an electrolyte material and at least one cathode layer, characterized in that each anode and each cathode comprises a respective main body, separated from a respective secondary body by a space that is free of any electrode, electrolyte and/or current collector substrate material, the free space joining or extending between the opposite longitudinal edges of the battery.

IPC 8 full level

H01M 4/04 (2006.01); **H01M 4/13** (2010.01); **H01M 4/139** (2010.01); **H01M 10/04** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0585** (2010.01); **H01M 50/126** (2021.01); **H01M 50/54** (2021.01)

CPC (source: EP IL KR US)

H01M 4/0404 (2013.01 - EP IL KR); **H01M 4/043** (2013.01 - EP IL KR); **H01M 4/0471** (2013.01 - KR); **H01M 4/13** (2013.01 - EP IL KR); **H01M 4/139** (2013.01 - EP IL KR); **H01M 10/0436** (2013.01 - EP IL KR); **H01M 10/052** (2013.01 - EP IL); **H01M 10/0585** (2013.01 - EP IL KR US); **H01M 50/121** (2021.01 - US); **H01M 50/126** (2021.01 - EP IL US); **H01M 50/431** (2021.01 - KR); **H01M 50/446** (2021.01 - KR); **H01M 50/457** (2021.01 - KR); **H01M 50/529** (2021.01 - KR); **H01M 50/54** (2021.01 - EP IL US); **H01M 50/572** (2021.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - 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)

FR 3091036 A1 20200626; **FR 3091036 B1 20240419**; CA 3124637 A1 20200702; CN 113228385 A 20210806; EP 3903362 A1 20211103; IL 283019 A 20210630; JP 2022513743 A 20220209; KR 20210107011 A 20210831; SG 11202104760S A 20210629; US 2022069357 A1 20220303; WO 2020136313 A1 20200702

DOCDB simple family (application)

FR 1874096 A 20181224; CA 3124637 A 20191224; CN 201980085989 A 20191224; EP 19845582 A 20191224; FR 2019000220 W 20191224; IL 28301921 A 20210506; JP 2021532459 A 20191224; KR 20217019522 A 20191224; SG 11202104760S A 20191224; US 201917415008 A 20191224