

Title (en)

CONNECTING A CELL STACK TO AT LEAST ONE CONTACT ELEMENT IN A VACUUM USING A LASER

Title (de)

VERBINDEN EINES ZELLSTAPELS MIT MINDESTENS EINEM KONTAKTELEMENT IM VAKUUM MITTELS LASER

Title (fr)

CONNEXION D'UN EMPILEMENT D'ÉLÉMENTS AVEC AU MOINS UN ÉLÉMENT DE CONTACT, SOUS VIDE AU MOYEN D'UN LASER

Publication

**EP 4097785 A1 20221207 (DE)**

Application

**EP 21703632 A 20210129**

Priority

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- EP 2021052090 W 20210129

Abstract (en)

[origin: WO2021152080A1] The invention relates to a method for producing a component (1) for storing electrical energy, said component comprising at least one cell stack (2) for storing electrical energy and at least one contact element (3) for making electrical contact with the at least one cell stack (2), the method being characterised by at least the following steps: a) arranging at least part of the at least one cell stack (2) and the at least one contact element (3) in a defined arrangement relative to one other in, or against a chamber (4) that can be evacuated; b) evacuating at least some of the gas in the chamber (4); c) connecting the at least one cell stack (2) and the at least one contact element (3) together to form an electrically conductive connection by means of at least one laser beam (5) introduced into the chamber (4).

IPC 8 full level

**H01M 10/04** (2006.01); **B23K 26/12** (2014.01); **H01M 10/052** (2010.01); **H01M 50/536** (2021.01)

CPC (source: EP US)

**B23K 26/12** (2013.01 - EP); **B23K 26/244** (2015.10 - EP); **B23K 26/26** (2013.01 - US); **H01M 10/04** (2013.01 - EP); **H01M 10/0404** (2013.01 - EP); **H01M 10/052** (2013.01 - EP); **H01M 10/0525** (2013.01 - US); **H01M 10/058** (2013.01 - US); **H01M 50/536** (2021.01 - EP US); **B23K 2101/38** (2018.07 - EP); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2021152080A1

Designated contracting state (EPC)

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BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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