

Title (en)

METHOD FOR PRODUCING A SEALING ELEMENT ON A GAS DIFFUSION LAYER OF AN ELECTROCHEMICAL UNIT AND ASSEMBLY COMPRISING A GAS DIFFUSION LAYER AND A SEALING ELEMENT

Title (de)

VERFAHREN ZUM ERZEUGEN EINES DICHELEMENTS AN EINER GASDIFFUSIONSLAGE EINER ELEKTROCHEMISCHEN EINHEIT UND BAUGRUPPE AUS EINER GASDIFFUSIONSLAGE UND EINEM DICHELEMENT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT D'ÉTANCHÉITÉ SUR UNE COUCHE DE DIFFUSION GAZEUSE D'UNE UNITÉ ÉLECTROCHIMIQUE ET MODULE CONSTITUÉ D'UNE COUCHE DE DIFFUSION GAZEUSE ET D'UN ÉLÉMENT D'ÉTANCHÉITÉ

Publication

EP 3818194 A1 20210512 (DE)

Application

EP 19737673 A 20190628

Priority

- DE 102018115987 A 20180702
- EP 2019067361 W 20190628

Abstract (en)

[origin: WO2020007731A1] The invention relates to a method for producing a sealing element on a gas diffusion layer of an electrochemical unit, wherein the method comprises the following: - arranging an injection molding tool on the gas diffusion layer; - introducing injection molding material into a cavity of the injection molding tool, in which damage to the gas diffusion layer is prevented and a sealing element having a mechanically stable connecting region is produced. It is proposed that the injection molding tool comprises at least one deformation limiting element which limits or prevents a deformation of the gas diffusion layer during the introduction of the injection molding material into the cavity.

IPC 8 full level

C25B 9/17 (2021.01); **H01M 8/0273** (2016.01); **H01M 8/0286** (2016.01); **H01M 8/1018** (2016.01)

CPC (source: EP US)

B29C 45/14836 (2013.01 - US); **C25B 9/17** (2021.01 - EP); **H01M 8/0273** (2013.01 - EP); **H01M 8/0286** (2013.01 - EP US); **B29L 2031/3468** (2013.01 - US); **H01M 2008/1095** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2020007731A1

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)

DE 102018115987 A1 20200102; CN 112368419 A 20210212; EP 3818194 A1 20210512; US 2021126267 A1 20210429; WO 2020007731 A1 20200109

DOCDB simple family (application)

DE 102018115987 A 20180702; CN 201980043738 A 20190628; EP 19737673 A 20190628; EP 2019067361 W 20190628; US 202017139484 A 20201231