

Title (en)

BONDING METHOD WHICH CAN BE APPLIED TO FUEL CELLS

Title (de)

BONDINGVERFAHREN ZUR ANWENDUNG BEI BRENNSTOFFZELLEN

Title (fr)

PROCÉDÉ DE COLLAGE - APPLICATION AUX PILES À COMBUSTIBLES

Publication

EP 3931897 A1 20220105 (FR)

Application

EP 20713721 A 20200225

Priority

- FR 1901963 A 20190226
- FR 2020050357 W 20200225

Abstract (en)

[origin: WO2020173853A1] The invention relates to a method for bonding a first component (1) to a second component (2), involving the following steps: - depositing, onto the first component (1) and/or onto the second component (2), an adhesive means of a first type selected from a slow-setting adhesive means (3) or a quick-setting adhesive means (4), - depositing, onto the first component (1) and/or onto the second component (2), an adhesive means of a second type which differs from the first type, selected from a slow-setting adhesive means (3) or a quick-setting adhesive means (4), - bringing the two components (1, 2) into contact, - pressing, and - setting the slow-setting adhesive means (3). The invention can be applied in the assembly of a bipolar plate (6). The invention can be applied in the assembly of a fuel cell (7).

IPC 8 full level

H01M 8/0286 (2016.01); **B32B 7/12** (2006.01); **C09J 9/00** (2006.01); **H01M 8/028** (2016.01); **H01M 8/1018** (2016.01); **H01M 8/2404** (2016.01)

CPC (source: EP US)

C09J 5/00 (2013.01 - EP US); **H01M 8/028** (2013.01 - EP); **H01M 8/0286** (2013.01 - EP US); **H01M 8/2404** (2016.02 - EP US); **B32B 7/12** (2013.01 - EP); **C09J 2203/33** (2013.01 - EP US); **H01M 2008/1095** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2020174175A1

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 2020173853 A1 20200903; CN 113711397 A 20211126; EP 3931897 A1 20220105; FR 3093239 A1 20200828; FR 3093239 B1 20230512; US 2022149394 A1 20220512; WO 2020174175 A1 20200903

DOCDB simple family (application)

EP 2020054731 W 20200224; CN 202080019904 A 20200225; EP 20713721 A 20200225; FR 1901963 A 20190226; FR 2020050357 W 20200225; US 202017433310 A 20200225