

Title (en)

BIPOLAR PLATE FOR A FUEL CELL

Title (de)

BIPOLARE PLATTE FÜR EINE BRENNSTOFFZELLE

Title (fr)

PLAQUE BIPOLAIRE POUR PILE A COMBUSTIBLE

Publication

EP 2915208 A1 20150909 (FR)

Application

EP 13780109 A 20131016

Priority

- FR 1260338 A 20121030
- EP 2013071627 W 20131016

Abstract (en)

[origin: WO2014067781A1] The invention relates to a bipolar plate forming the first polar plate of a first base element of a fuel cell and the second polar plate of a second base element adjacent to the first base element of the same fuel cell, said bipolar plate comprising two parallel plates, each plate comprising at least one fuel- or oxidizer-distribution channel arranged in the thickness of the polar plate. The bipolar plate is characterised in that the distribution channels are arranged such that, during the stacking of the first and second base elements of the fuel cell, a circulation channel is formed between the two polar plates, and in that the distribution channel is connected to the cooling fluid supply hole.

IPC 8 full level

H01M 8/02 (2006.01)

CPC (source: CN EP US)

H01M 8/0258 (2013.01 - CN EP US); **H01M 8/026** (2013.01 - CN EP US); **H01M 8/0263** (2013.01 - CN EP US);
H01M 8/0267 (2013.01 - CN EP US); **H01M 8/04007** (2013.01 - US); **H01M 8/2483** (2016.02 - CN EP); **H01M 2008/1095** (2013.01 - CN EP US);
Y02E 60/50 (2013.01 - EP)

Citation (search report)

See references of WO 2014067781A1

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 2997561 A1 20140502; **FR 2997561 B1 20170113**; CN 104838529 A 20150812; CN 104838529 B 20181026; EP 2915208 A1 20150909;
US 10283786 B2 20190507; US 2015280253 A1 20151001; WO 2014067781 A1 20140508

DOCDB simple family (application)

FR 1260338 A 20121030; CN 201380056344 A 20131016; EP 13780109 A 20131016; EP 2013071627 W 20131016;
US 201314438352 A 20131016