

Title (en)
PROTON-EXCHANGE-MEMBRANE FUEL CELL

Title (de)
BRENNSTOFFZELLE MIT PROTONENAUSTAUSCHMEMBRAN

Title (fr)
PILE À COMBUSTIBLE À MEMBRANE ÉCHANGEUSE DE PROTONS

Publication
EP 3984089 A1 20220420 (FR)

Application
EP 20742341 A 20200616

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Abstract (en)
[origin: WO2020254752A1] The invention relates to a fuel cell (P), of proton-exchange-membrane type, comprising, stacked in the following order: a first terminal (T1), an end anode plate (EA), a plurality of membrane plates (ME), a bipolar plate (BI) being inserted between every two membrane plates (ME) in succession, an end cathode plate (EK) and a second terminal (T2), a bipolar plate (BI) comprising, preassembled in the following order: a medial cathode plate (MK) and a medial anode plate (MA), each medial anode (MA), end anode (EA), medial cathode (MK) and end cathode (MK) plate comprising at least one duct for distributing a reactant, where the anode end plate (EA) is produced by means of a bipolar plate (BI), of the same orientation, and of an anode obturating means capable of obturating all of the ducts of said at least one duct of the medial cathode plate (MK) of said bipolar plate (BI), and the cathode end plate (EK) is produced by means of a bipolar plate (BI), of the same orientation, and of a cathode obturating means capable of obturating all of the ducts of said at least one duct of the medial anode plate (MA) of said bipolar plate (BI).

IPC 8 full level
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Citation (search report)
See references of WO 2020254752A1

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