

Title (en)

BIPOLAR PLATE FOR A FUEL CELL STACK

Title (de)

BIPOLARPLATTE FÜR EINEN BRENNSTOFFZELLENSTAPEL

Title (fr)

PLAQUE BIPOLAIRE POUR UN EMPILEMENT DE PILE À COMBUSTIBLE

Publication

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Application

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Abstract (en)

[origin: WO2022223495A1] The invention relates to a bipolar plate (1) for a fuel cell stack, comprising two layers (2, 3), each of which has an anode-side or cathode-side flow region (9) on the layer surfaces facing away from each other. Flush media inlet openings (4, 13, 15) and media outlet openings (5, 14, 16) are provided in the two layers (2, 3), wherein each of the media inlet and outlet openings (4, 5, 13, 14, 15, 16) are connected to channels (6) between the mutually facing inner surfaces of the two layers (2, 3). Each of the channels (6) paired with the anode side and the cathode side is connected to the anode-side or cathode-side flow region via an opening (7) in the respective layer (2, 3). The bipolar plate according to the invention is characterized in that the material of each layer (2, 3) in the section (17) facing the opening (7) of the respective other layer (3, 2) is reinforced.

IPC 8 full level

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