

Title (en)

FUEL CELL STACK AND SEAL FOR A FUEL CELL STACK, AS WELL AS A PRODUCTION METHOD FOR IT

Title (de)

BRENNSTOFFZELLENSTAPEL UND DICHTUNG FÜR EINEN BRENNSTOFFZELLENSTAPEL SOWIE DEREN HERSTELLUNGSVERFAHREN

Title (fr)

EMPILEMENT DE PILES À COMBUSTIBLE ET JOINT POUR UN EMPILEMENT DE PILES À COMBUSTIBLE ET LEUR PROCÉDÉ DE FABRICATION

Publication

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Application

EP 07817774 A 20071105

Priority

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Abstract (en)

[origin: US2010068602A1] The invention relates to a sealing for the gas-tight connection of two elements of a fuel cell stack comprising an electrically non-conducting spacer component and at least one solder component solid or viscous over its entire extension at the operating temperature of the fuel cell stack and coupling the spacer component to at least one of the elements to be connected of the fuel cell stack in a gas-tight manner. According to the invention it is envisaged that the spacer component is formed of a ceramic material. The invention further relates to a fuel cell stack in which, according to the invention, it is envisaged that a distribution of forces compressing the fuel cell stack in the axial direction is directly transmitted to at least one of the elements to be connected by the spacer component. The invention further relates to production methods for seals and fuel cell stacks.

IPC 8 full level

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