

Title (en)

FUEL CELL, FUEL CELL STACK AND METHOD FOR SEALING A FUEL CELL

Title (de)

BRENNSTOFFZELLE, BRENNSTOFFZELLENSTAPEL UND VERFAHREN ZUM ABDICHTEN EINER BRENNSTOFFZELLE

Title (fr)

PILE À COMBUSTIBLE, EMPILEMENT DE PILES À COMBUSTIBLE ET PROCÉDÉ D'ÉTANCHÉIFICATION D'UNE PILE À COMBUSTIBLE

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Application

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Abstract (en)

[origin: WO2010115605A1] The invention relates to a fuel cell (1) comprising a membrane electrode assembly (2). The membrane electrode assembly (2) is arranged between two bipolar plates (5, 6) and is connected to a sealing element (3). The sealing element (3) and the bipolar plates (5, 6) contact each other while forming a contact region (10). A sliding surface (11), which can be used to apply transverse stress (15) to the membrane electrode assembly (2) arranged between the two bipolar plates (5, 6) when the two bipolar plates (5, 6) are pressed together, is provided in the contact region (10). The invention further relates to a fuel cell stack comprising such a fuel cell (1) and to a method for sealing a fuel cell (1).

IPC 8 full level

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Citation (search report)

See references of WO 2010115605A1

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WO 2008001755 A1 20080103 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al

Cited by

RU2496186C1

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