

Title (en)

FUEL CELL ARRANGEMENT HAVING DIFFERENTIAL PRESSURE CONTROL FOR AN H₂/O₂ FUEL CELL

Title (de)

BRENNSTOFFZELLENANORDNUNG MIT DIFFERENZDRUCKREGELUNG FÜR EINE H₂/O₂-BRENNSTOFFZELLE

Title (fr)

AGENCEMENT DE PILE À COMBUSTIBLE POURVU D'UNE RÉGULATION DE PRESSION DIFFÉRENTIELLE POUR UNE PILE À COMBUSTIBLE H₂/O₂

Publication

EP 3738163 A1 20201118 (DE)

Application

EP 19701290 A 20190109

Priority

- DE 102018200350 A 20180111
- EP 2019050365 W 20190109

Abstract (en)

[origin: WO2019137924A1] The invention relates to a fuel cell arrangement (10) having an anode (26) connected to an H₂ inflow (48) and a cathode (30) connected to an O₂ inflow (50), wherein a differential pressure control device (52) is arranged between the H₂ inflow (48) and the O₂ inflow (50) for controlling the differential pressure between the H₂ inflow (48) and the O₂ inflow (50), the differential pressure control device (52) having a fluid connection (54) between the H₂ inflow (48) and the O₂ inflow (50) in which a deflectable diaphragm is arranged, to which a pin (64) is coupled which, when the diaphragm (56) is deflected, opens a valve (58) arranged in the H₂ inflow (48) as a result of positive O₂ pressure.

IPC 8 full level

H01M 8/04089 (2016.01); **H01M 8/04746** (2016.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019137924A1

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Designated extension state (EPC)

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