

Title (en)

FUEL CELL SYSTEMS WITH A REACTION-GAS PRESSURE REGULATING SYSTEM OR VOLUME FLOW REGULATING SYSTEM IN ADDITION TO A FUEL SUPPLY AND REMOVAL SYSTEM USING A REACTION GAS VOLUME FLOW

Title (de)

BRENNSTOFFZELLEN-SYSTEME MIT REAKTIONSGAS-DRUCKREGELUNG ODER -VOLUMENSTROMREGELUNG SOWIE BETRIEBSMITTEL-VERSORGUNG UND -ENTSORGUNG UNTER NUTZUNG EINES REAKTIONSGAS-VOLUMENSTROMS

Title (fr)

SYSTEMES DE PILES A COMBUSTIBLE AVEC REGULATION DE LA PRESSION OU DU FLUX VOLUMIQUE DU GAZ DE REACTION ET ALIMENTATION/ELIMINATION DU FLUIDE DE FONCTIONNEMENT FAISANT INTERVENIR UN FLUX VOLUMIQUE DE GAZ DE REACTION

Publication

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Application

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Abstract (en)

[origin: WO03015202A1] The invention relates to a device and a method enabling the reaction gas pressure in fuel cells of a fuel cell system to remain constant even when high fluctuations of the reaction gas volume flow or high fluctuations occur in the decrease in performance by an electric consumer. A timed reaction gas inlet valve is used in order to guarantee pressure stability. The invention also relates to devices and methods for regulating the economy of fuel cell systems in difficult conditions of unforeseeable changes in reaction gas volume flows and in unforeseeable changes involving the decrease in performance by an electric consumer.

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