

Title (en)  
FUEL CELL SYSTEM AND METHOD OF OPERATING A FUEL CELL

Title (de)  
BRENNSTOFFZELLENSYSTEM UND VERFAHREN ZUM BETREIBEN EINER BRENNSTOFFZELLE

Title (fr)  
SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE POUR FAIRE FONCTIONNER UNE PILE A COMBUSTIBLE

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Application  
**EP 06776859 A 20060816**

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Abstract (en)  
[origin: WO2007033733A1] The invention provides an improved fuel cell system and a method of operating a fuel cell which ensure that the fuel cell can be operated at high efficiency without irreversible damage. The fuel cell system according to the invention comprises at least one fuel cell with a fuel cell stack and with separator plates, which are equipped with feeds and discharges for a heat transfer medium, a thermostat, a heat transfer medium circuit, which has a transporting device for the heat transfer medium and in which at least the fuel cell and the thermostat are enclosed, at least one temperature sensor for the fuel cell and a monitoring and controlling unit for the temperature of the fuel cell. With the invention it is possible to operate the fuel cell in a range close to the preset optimum operating temperature.

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