

Title (en)

METHOD AND SYSTEM FOR OPERATING A HIGH-TEMPERATURE FUEL CELL

Title (de)

VERFAHREN UND SYSTEM ZUM BETREIBEN EINER HOCHTEMPERATURBRENNSTOFFZELLE

Title (fr)

PROCÉDÉ ET SYSTÈME DE FONCTIONNEMENT D'UNE PILE À COMBUSTIBLE HAUTE TEMPÉRATURE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007082522A1] The invention relates to a method and a system for operating a high-temperature fuel cell. The system comprises at least one fuel cell, a reformer, an afterburner and a heat exchanger. The aim of the invention is to increase the overall efficiency of high-temperature fuel cells. For this purpose, fresh air supplied to the fuel cell(s) on the cathode side is heated in several steps by means of a high-temperature heat exchanger with heat from post-combustion and from the heated air carried away from the fuel cell on the cathode side.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2007082522A1

Citation (examination)

- DE 10124853 A1 20021128 - BAYERISCHE MOTOREN WERKE AG [DE]
- US 2003194592 A1 20031016 - HILLIARD DONALD BENNETT [US]
- EP 1231659 A2 20020814 - DELPHI TECH INC [US]
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