

Title (en)

FUEL CELL SYSTEM AND ASSOCIATED CONTROL METHOD

Title (de)

BRENNSTOFFZELLENSYSTEM UND DAMIT VERBUNDENES STEUERVERFAHREN

Title (fr)

SYSTEME PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE ASSOCIE

Publication

EP 1846972 A1 20071024 (FR)

Application

EP 06709414 A 20060119

Priority

- FR 2006050028 W 20060119
- FR 0500966 A 20050201

Abstract (en)

[origin: FR2881577A1] The system has control units (44, 45) respectively controlling hydrogen supplied to an anode (A) of a fuel cell (1) and oxygen supplied to a cathode (C) of the cell. The units (44, 45) are respectively apt to adapt hydrogen and oxygen over-stoichiometry based on power needed at the cell. The control units constantly and increasingly maintain the over-stoichiometry if current density needed at the cell is lower than respective values. An independent claim is also included for a fuel cell system control method.

IPC 8 full level

H01M 8/04 (2006.01)

CPC (source: EP US)

H01M 8/04089 (2013.01 - EP US); **H01M 8/04388** (2013.01 - EP US); **H01M 8/04395** (2013.01 - EP US); **H01M 8/04589** (2013.01 - EP US); **H01M 8/04619** (2013.01 - EP US); **H01M 8/04753** (2013.01 - EP US); **H01M 8/04104** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2006082331A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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