

Title (en)

SYSTEM AND METHOD FOR THERMAL CONTROL OF A FUEL CELL SYSTEM MOUNTED ON A MOTOR VEHICLE

Title (de)

SYSTEM UND VERFAHREN ZUR THERMISCHEN REGELUNG EINES AUF EINEM KRAFTFAHRZEUG ANGEBRACHTEN  
BRENNSTOFFZELLENSYSTEMS

Title (fr)

SYSTEME ET PROCEDE DE REGULATION THERMIQUE D'UN SYSTEME DE PILE A COMBUSTIBLE EMBARQUE SUR UN VEHICULE  
AUTOMOBILE

Publication

**EP 1803183 A1 20070704 (FR)**

Application

**EP 05810772 A 20051013**

Priority

- FR 2005050847 W 20051013
- FR 0410869 A 20041014

Abstract (en)

[origin: WO2006040502A1] The inventive system for thermal control of a fuel cell system mounted on a motor vehicle comprises a fluid heat carrier flow loop (BC) for thermally controlling a fuel cell (PAC), means for supplying said fuel cell (PAC) with oxygen (GCA) and hydrogen (R) and an electronic control unit (UCE) which is provided with an estimator (EST) for the temperature (Ts) of the fuel cell solid elements.

IPC 8 full level

**H01M 8/04** (2006.01); **H01M 8/02** (2006.01)

CPC (source: EP US)

**B60L 58/24** (2019.01 - EP US); **H01M 8/04007** (2013.01 - EP US); **H01M 8/04067** (2013.01 - EP US); **B60L 2240/545** (2013.01 - EP US); **B60L 2260/44** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP US)

Citation (search report)

See references of WO 2006040502A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006040502 A1 20060420**; EP 1803183 A1 20070704; FR 2876810 A1 20060421; FR 2876810 B1 20070309; JP 2008517423 A 20080522; US 2008038606 A1 20080214; US 7785724 B2 20100831

DOCDB simple family (application)

**FR 2005050847 W 20051013**; EP 05810772 A 20051013; FR 0410869 A 20041014; JP 2007536237 A 20051013; US 57727405 A 20051013