

Title (en)

DEVICE AND METHOD FOR HEATING A FUEL CELL STACK BY ALTERNATING CURRENT SUPPLY

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUFHEIZEN EINES BRENNSTOFFZELLENSTACKS MITTELS EINSPEISUNG VON WECHSELSTROM

Title (fr)

DISPOSITIF ET PROCEDE POUR CHAUFFER UN EMPILEMENT DE PILES A COMBUSTIBLE AU MOYEN D'UNE ALIMENTATION EN COURANT ALTERNATIF

Publication

**EP 1866991 A1 20071219 (DE)**

Application

**EP 06707503 A 20060309**

Priority

- EP 2006002194 W 20060309
- DE 102005012617 A 20050318

Abstract (en)

[origin: WO2006097242A1] The invention relates to a fuel cell system heatable by means of an alternating current producing device. The fuel cell system consists of a fuel cell stack (1), which comprises at least one fuel cell and is provided with at least one electric connection (1a and 1b). Said invention is characterised in that the fuel cell stack (1) is connected to the alternating current producing device (2) by means of the electric connection (1a and 1b), for electrically heating the fuel cell stack (1) by supplying the alternating current through the electric connections (1a and 1b).

IPC 8 full level

**H01M 8/04** (2006.01)

CPC (source: EP US)

**H01M 8/04007** (2013.01 - EP US); **H01M 8/04037** (2013.01 - EP US); **H01M 8/04268** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2006097242A1

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 2006097242 A1 20060921**; DE 102005012617 A1 20061012; DE 102005012617 B4 20061214; EP 1866991 A1 20071219; JP 2008533675 A 20080821; US 2008193815 A1 20080814

DOCDB simple family (application)

**EP 2006002194 W 20060309**; DE 102005012617 A 20050318; EP 06707503 A 20060309; JP 2008501204 A 20060309; US 90845306 A 20060309