Title (en)

DEVICE AND METHOD FOR COOLING THE POWER MODULE OF A FUEL CELL

Title (de)

EINRICHTUNG UND VERFAHREN ZUM KÜHLEN DES LEISTUNGSMODULS EINER BRENNSTOFFZELLE

Title (fr)

DISPOSITIF ET PROCEDE DE REFROIDISSEMENT D'UN MODULE DE PUISSANCE D'UNE PILE A COMBUSTIBLE

Publication

**EP 1735868 A1 20061227 (FR)**

Application

**EP 05739669 A 20050302**

Priority

- FR 2005050140 W 20050302
- FR 0403343 A 20040331

Abstract (en)

[origin: WO2005096426A1] The inventive cooling device for a power module comprising a fuel cell for a motor vehicle which is provided with an engine-transmission unit having a cooling circuit comprises a main coolant circuit passing through the components (1, 10, 18) of the power module and an auxiliary coolant circuit which is connected in parallel to the main circuit, passes through the other components (19, 21) of the power module and, in addition, comprises a coupling heat exchanger (27) through which the coolant of the cooling circuit (40a) of the engine-transmission unit passes.

IPC 8 full level

**H01M 8/04** (2006.01); **B60K 11/02** (2006.01)

CPC (source: EP)

**H01M 8/04029** (2013.01); Y02E 60/50 (2013.01)

Citation (search report)

See references of WO 2005096426A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2868606 A1 20051007**; **FR 2868606 B1 20060602**; EP 1735868 A1 20061227; WO 2005096426 A1 20051013; WO 2005096426 A8 20081106

DOCDB simple family (application)

**FR 0403343 A 20040331**; EP 05739669 A 20050302; FR 2005050140 W 20050302