

Title (en)

ELECTRIC MACHINE COMPRISING A COOLING UNIT

Title (de)

ELEKTRISCHE MASCHINE MIT EINER KÜHLEINRICHTUNG

Title (fr)

MACHINE ÉLECTRIQUE COMPORTANT UN DISPOSITIF DE REFROIDISSEMENT

Publication

**EP 2277254 A2 20110126 (DE)**

Application

**EP 09741971 A 20090421**

Priority

- EP 2009054690 W 20090421
- DE 102008001618 A 20080507

Abstract (en)

[origin: WO2009135753A2] The invention relates to an electric machine (1) comprising a housing (4), in which a rotor (6) is rotatably located and which contains a cooling unit (18) containing a cooling medium (11). According to the invention, at least one medium vortexing element (15), which rotates with the rotor (6) and deviates from a rotationally symmetrical shaping pattern, is located in the housing (4). The invention also relates to a method for cooling the electric machine (1).

IPC 8 full level

**H02K 9/19** (2006.01)

CPC (source: EP US)

**H02K 9/19** (2013.01 - EP US)

Citation (search report)

See references of WO 2009135753A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008001618 A1 20091112**; EP 2277254 A2 20110126; WO 2009135753 A2 20091112; WO 2009135753 A3 20100225

DOCDB simple family (application)

**DE 102008001618 A 20080507**; EP 09741971 A 20090421; EP 2009054690 W 20090421