

Title (en)

APPARATUS FOR CONVEYING A COOLING AIR FLOW

Title (de)

VORRICHTUNG ZUR FÖRDERUNG EINES KÜHLLUFTSTROMES

Title (fr)

DISPOSITIF DE TRANSPORT D'UN FLUX D'AIR DE REFROIDISSEMENT

Publication

**EP 1941164 B1 20161214 (DE)**

Application

**EP 06806022 A 20061004**

Priority

- EP 2006009582 W 20061004
- DE 102005050685 A 20051020

Abstract (en)

[origin: WO2007045355A1] The invention relates to an apparatus for conveying a cooling air flow for at least one heat exchanger, especially for motor vehicles. Said apparatus comprises a fan frame (1) with a frame opening (2), a fan wheel (4) that revolves in the frame opening, and a fan drive unit with a fan control device (6) which is disposed in the peripheral zone of the frame opening (2) and can be cooled by means of a cooling member (7). At least one part of the cooling member (7) is arranged radially outside the frame opening (2) and can be impinged upon by a secondary flow (N) of the cooling air flow (L).

IPC 8 full level

**F04D 29/54** (2006.01); **F01P 7/04** (2006.01)

CPC (source: EP US)

**F04D 19/002** (2013.01 - EP US); **F04D 25/06** (2013.01 - EP US); **F04D 29/526** (2013.01 - EP US); **F04D 29/5813** (2013.01 - EP US); **F01P 7/048** (2013.01 - EP US)

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 2007045355 A1 20070426**; DE 102005050685 A1 20070503; EP 1941164 A1 20080709; EP 1941164 B1 20161214; US 2008264600 A1 20081030; US 8230910 B2 20120731

DOCDB simple family (application)

**EP 2006009582 W 20061004**; DE 102005050685 A 20051020; EP 06806022 A 20061004; US 9056706 A 20061004