

Title (en)

Ventilator shroud for a heat exchanger and assembly of an axial ventilator in a ventilator shroud

Title (de)

Lüfterzarge für einen Wärmeübertrager und Anordnung eines Axiallüfters in einer Lüfterzarge

Title (fr)

Châssis de ventilateur pour transmetteur thermique et dispositif d'un ventilateur axial dans un châssis de ventilateur

Publication

**EP 1830072 A3 20080326 (DE)**

Application

**EP 07003522 A 20070221**

Priority

DE 102006009845 A 20060301

Abstract (en)

[origin: EP1830072A2] The frame has a frame ring (1c) for receiving an axial fan (2). A pre-conductive ring (4) is upstream to the axial fan provided in a flow direction (L). The pre-conductive ring is formed as a ring, and includes ring segments distributed over a circumference. A bar (1d) holds the axial fan, where the pre-conductive ring is fastened at the bar and includes a curved deflection profile. The frame and/or the bar are formed as a plastic molded part. An independent claim is also included for an arrangement of an axial fan in a fan frame.

IPC 8 full level

**F04D 29/52** (2006.01)

CPC (source: EP)

**F04D 29/544** (2013.01); **F01P 5/06** (2013.01); **F01P 11/10** (2013.01); **F01P 2070/50** (2013.01); **F05D 2250/51** (2013.01)

Citation (search report)

- [XY] DE 102005019421 A1 20051117 - BEHR GMBH & CO KG [DE]
- [X] GB 660712 A 19511114 - INTERNAT ANEMOSTAT HOLDING COM
- [X] EP 0108922 A1 19840523 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
- [X] US 4120615 A 19781017 - KEEM PHILLIP WILLIAM, et al
- [YD] DE 3304297 A1 19840315 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [YD] DE 4438184 C1 19960411 - BEHR GMBH & CO [DE]

Cited by

US9714666B2; WO2011101440A1; EP2737189B1; WO2012156045A2

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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