

Title (en)

Fan housing in particular for axial fan

Title (de)

Lüftergehäuse, insbesondere für Axiallüfter

Title (fr)

Boîtier d'un ventilateur, en particulier pour ventilateur axial

Publication

EP 1211426 A3 20030723 (DE)

Application

EP 01127602 A 20011120

Priority

DE 20020512 U 20001201

Abstract (en)

[origin: US2002067988A1] A ventilator housing of a ventilator has a flow passage having an intake opening and an outlet opening. Outflow contouring devices are arranged about the outlet opening and are configured to at least reduce a vortex formation within a shearing layer that is generated during operation of the ventilator so as to surround an actual airflow of the ventilator and that is located between the airflow and surrounding air. The outflow contouring devices enlarge the proportion of uninterrupted air flow relative to the entire flow cross-section of the flow passage.

IPC 1-7

F04D 29/66; **F04D 29/54**

IPC 8 full level

F04D 29/54 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)

F04D 29/545 (2013.01 - EP US); **F04D 29/661** (2013.01 - EP US); **Y10S 415/914** (2013.01 - EP US)

Citation (search report)

- [X] US 5393197 A 19950228 - LEMONT HAROLD E [US], et al
- [X] US 3531221 A 19700929 - HERBERG ENGELBERT, et al
- [A] US 1752427 A 19300401 - FALES ELISHA N
- [A] FR 2358550 A1 19780210 - MILLOUX MAURICE [FR]

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2002067988 A1 20020606; **US 6659719 B2 20031209**; AT E329157 T1 20060615; DE 20118939 U1 20020425; DE 50110023 D1 20060720; EP 1211426 A2 20020605; EP 1211426 A3 20030723; EP 1211426 B1 20060607

DOCDB simple family (application)

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