

Title (en)

Fan comprising a laminar flow element in front of the intake opening

Title (de)

Gebläse mit Laminar-flow-element vor der Ansaugöffnung

Title (fr)

Ventilateur comprenant un élément a écoulement laminaire a l'avant de l'ouverture d'aspiration

Publication

EP 1694967 A1 20060830 (DE)

Application

EP 04787004 A 20040924

Priority

- EP 2004010728 W 20040924
- DE 10349344 A 20031023

Abstract (en)

[origin: US2007066209A1] A radial fan (1) with a housing (2) and a fan impeller (3) disposed therein, an air inlet (4) and an air outlet (5) is provided, a pressure space (6) being formed between the latter, and in front of the air inlet (4) a laminar element (7) being disposed which, in a bypass (8) formed therein, has a sensor (9) for recording at least one parameter of the medium flowing through the air inlet (4).

IPC 8 full level

F04D 29/42 (2006.01); **F04D 27/00** (2006.01); **F23D 14/36** (2006.01); **F24F 11/00** (2006.01); **F24F 11/02** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP KR US)

F04D 27/00 (2013.01 - EP KR US); **F04D 27/001** (2013.01 - EP US); **F04D 29/4213** (2013.01 - EP KR US); **F23D 14/36** (2013.01 - EP KR US); **F05D 2270/301** (2013.01 - EP US)

Citation (search report)

See references of WO 2005050025A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007066209 A1 20070322; US 7670104 B2 20100302; AT E378516 T1 20071115; CA 2542466 A1 20050602; CA 2542466 C 20120103; DE 10349344 B3 20050630; DE 502004005535 D1 20071227; EP 1694967 A1 20060830; EP 1694967 B1 20071114; ES 2295934 T3 20080416; JP 2007509273 A 20070412; JP 4588712 B2 20101201; KR 101128959 B1 20120327; KR 20060108684 A 20061018; PT 1694967 E 20080211; WO 2005050025 A1 20050602

DOCDB simple family (application)

US 57639904 A 20040924; AT 04787004 T 20040924; CA 2542466 A 20040924; DE 10349344 A 20031023; DE 502004005535 T 20040924; EP 04787004 A 20040924; EP 2004010728 W 20040924; ES 04787004 T 20040924; JP 2006535973 A 20040924; KR 20067010024 A 20040924; PT 04787004 T 20040924