

Title (en)

Vortex flow blower with reduced noise generation

Title (de)

Seitenkanalgebläse mit reduzierter Geräuschentwicklung

Title (fr)

Soufflante à canal latéral avec génération de bruit réduit

Publication

**EP 0586934 B1 19961106 (DE)**

Application

**EP 93113160 A 19930817**

Priority

DE 4230014 A 19920908

Abstract (en)

[origin: EP0586934A1] Noise reducing device in a blower (11), in particular a side duct blower for the combustion air supply in a heating device, provided with a gas inlet duct (13), a gas outlet duct (14) and a gas advance arrangement (15), there being arranged, at least in the region of the opening cross-section (18, 19) of the gas inlet duct (13) and/or of the gas outlet duct (14), an arrangement for inducing a flow resistance (interference arrangement 20, 21). <IMAGE>

IPC 1-7

**F04D 23/00**; **F04D 29/66**

IPC 8 full level

**F04D 23/00** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

**F04D 23/008** (2013.01); **F04D 29/161** (2013.01); **F04D 29/667** (2013.01)

Cited by

EP0767308A1; EP0718502A1; EP1589229A1; US9297276B2; WO2023236011A1; WO2010052044A1; WO2012041625A1

Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0586934 A1 19940316**; **EP 0586934 B1 19961106**; AT E145039 T1 19961115; DE 4230014 C1 19940324; DE 59304401 D1 19961212; ES 2094979 T3 19970201; JP 3153058 B2 20010403; JP H06159298 A 19940607

DOCDB simple family (application)

**EP 93113160 A 19930817**; AT 93113160 T 19930817; DE 4230014 A 19920908; DE 59304401 T 19930817; ES 93113160 T 19930817; JP 22170193 A 19930907