

Title (en)  
Cross flow blower

Title (de)  
Querstromlüfter

Title (fr)  
Ventilateur à courant transversal

Publication  
**EP 0989374 A2 20000329 (EN)**

Application  
**EP 99126029 A 19960912**

Priority  
• EP 96114662 A 19960912  
• JP 23491695 A 19950913

Abstract (en)  
The constitution is characterized by installing a cross flow fan (18) having impellers composed of plural blades (19) arranged in a columnar form, inside a casing forming a draft path inside comprising suction ports and a blowing port(12); disposing a stabilizer (21) forming and a rear guide (23) which forms a diffuser from the cross flow fan (18) and the blowing port(12); and forming a vertical guide blade (25) for controlling the stream of air flow in the vertical direction at the blowing port (12), wherein the vertical guide blade (25) is disposed so that 1/2 or more of the chord length may be present outside of the diffuser in the normal operation state. <IMAGE>

IPC 1-7  
**F24F 13/06**; **F24F 1/00**

IPC 8 full level  
**F04D 1/04** (2006.01); **F04D 17/08** (2006.01); **F24F 1/00** (2006.01); **F24F 1/0057** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0073** (2019.01); **F24F 1/0083** (2019.01); **F24F 13/15** (2006.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP KR US)  
**F04D 17/00** (2013.01 - KR); **F24F 1/0011** (2013.01 - EP); **F24F 1/0025** (2013.01 - EP); **F24F 1/0057** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 1/0083** (2019.01 - EP US); **F24F 13/24** (2013.01 - EP)

Cited by  
US6921329B2; CN104296351A; CN109737507A; EP1380797A1; CN108317598A; CN111795429A; WO02077539A1

Designated contracting state (EPC)  
ES GR IT

DOCDB simple family (publication)  
**EP 0763698 A1 19970319**; **EP 0763698 B1 20010530**; CN 1080839 C 20020313; CN 1147600 A 19970416; CN 1254642 C 20060503; CN 1362585 A 20020807; EP 0989374 A2 20000329; EP 0989374 A3 20010418; EP 0989374 B1 20041124; ES 2158981 T3 20010916; ES 2234201 T3 20050616; GR 3036448 T3 20011130; JP H0979601 A 19970328; KR 100408598 B1 20040320; KR 970016147 A 19970428; MY 124543 A 20060630

DOCDB simple family (application)  
**EP 96114662 A 19960912**; CN 01122300 A 20010822; CN 96108250 A 19960913; EP 99126029 A 19960912; ES 96114662 T 19960912; ES 99126029 T 19960912; GR 20010401298 T 20010827; JP 23491695 A 19950913; KR 19960039575 A 19960912; MY PI19963803 A 19960913