

Title (en)  
Once-through blower

Title (de)  
Querstromlüfter

Title (fr)  
Ventilateur à courant transversal

Publication  
**EP 0928899 B1 20040107 (EN)**

Application  
**EP 98114422 A 19980731**

Priority  
JP 360698 A 19980112

Abstract (en)  
[origin: EP0928899A2] A once-through blower including a once-through impeller (8) is described. The blower includes a blowout duct (10), a stabilizer (13) and a scroll casing (9). The stabilizer (13) provided at an end of the blowout duct (10) so as to face the once-through impeller (8). The scroll casing (9) is provided at the back of the once-through impeller (8) and connected to the blowout duct (10). The stabilizer (13) has a curved surface (18) which is formed along an arc (15). The diameter of the arc (15) is 103% or more of that of the once-through impeller (8). The scroll casing (9) has an interior curved surface (19) which is formed along a casing arc. The casing arc is concentric with the arc center (21). A clearance between a predetermined outer peripheral point (23) of the once-through impeller (8) and the inflow-side end of the scroll casing (9) is set so as to become 3% or more of the diameter of the once-through impeller (8). <IMAGE>

IPC 1-7  
**F04D 17/04**; **F04D 29/42**

IPC 8 full level  
**F04D 17/04** (2006.01); **F04D 29/42** (2006.01); **F24F 1/00** (2011.01)

CPC (source: EP)  
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**EP 0928899 A2 19990714**; **EP 0928899 A3 20000503**; **EP 0928899 B1 20040107**; CN 1115523 C 20030723; CN 1223360 A 19990721; DE 69820976 D1 20040212; DE 69820976 T2 20041021; ES 2212179 T3 20040716; HK 1021656 A1 20000623; JP 3649567 B2 20050518; JP H11201487 A 19990730; TW 360767 B 19990611

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