

Title (en)  
Blower

Title (de)  
Lüfter

Title (fr)  
Ventilateur

Publication  
**EP 1591668 A1 20051102 (EN)**

Application  
**EP 05009373 A 20050428**

Priority  
JP 2004136789 A 20040430

Abstract (en)  
In the blower, the fan being connected with the axis of motor being arranged inside the casing, the inlet being opened at upper side of the casing, the outlet being opened roundly, the foregoing motor being set under the bottom of the aforementioned casing, the foregoing fan being rotated by the foregoing motor, the foregoing inlet sucking air to the direction of the axis, the air blowing out from the outlet prepared roundly, characterized that the rib is formed upper side of the inner side of the foregoing casing, otherwise; the rib is formed so that it has a plurality of the bosses extruding out of the lower side, the plain view of the foregoing rib is plural, and cylindrical shape with a center of the foregoing rotary axis whereby the air turbulence never occurs, never great load when the fan turns, and the efficiency of blower improves.

IPC 1-7  
**F04D 29/42**; **F04D 29/66**

IPC 8 full level  
**F04D 29/44** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)  
**F04D 29/4226** (2013.01); **F04D 29/667** (2013.01)

Citation (search report)  
• [X] DE 10017808 A1 20010613 - MOTOREN VENTILATOREN GMBH [DE]  
• [X] EP 0924436 A2 19990623 - L N DI NATALINI LINO & C S R L [IT]  
• [A] US 6318358 B1 20011120 - GATLEY JR WILLIAM STUART [US]  
• [A] WO 9532363 A1 19951130 - TEC AIR INC [US]

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 1591668 A1 20051102**; JP 2005315236 A 20051110

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**EP 05009373 A 20050428**; JP 2004136789 A 20040430