

Title (en)  
High-pressure blower

Title (de)  
Hochdruck-Gebläse

Title (fr)  
Soufflante à haute pression

Publication  
**EP 0819855 B1 20041117 (DE)**

Application  
**EP 97401743 A 19970721**

Priority  
DE 19629220 A 19960719

Abstract (en)  
[origin: EP0819855A1] The blower wheel is provided with a fixed guide. In the tubular casing (1) are fixed a disc-shaped inflow nozzle (3), with a circular opening in the area of the motor shaft (4), and an electric motor (2). It has a closed blower wheel with a rearside disc provided with a plate-shaped edge (9), a flat front cover disc (11) with a smaller diameter than the rearside disc and blades (12) between the discs. Within the casing is a deflecting disc (15), the diameter of which is smaller than that of the rearside disc (10) and which has a ring-shaped gap (14) narrowing the flow path on the inside of the tubular casing. The electric motor is arranged in the flow direction in front of the other parts in the tubular casing.

IPC 1-7  
**F04D 17/16**; **F04D 29/42**

IPC 8 full level  
**F04D 17/16** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP)  
**F04D 17/165** (2013.01); **F04D 27/001** (2013.01); **F04D 29/4213** (2013.01); **F04D 29/444** (2013.01); **F05D 2250/51** (2013.01); **F05D 2270/301** (2013.01)

Cited by  
CN113187762A; EP1683972A3; EP3301304A3; CN112546386A; US11859622B2; JP2008101909A; EP2700822B1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0819855 A1 19980121**; **EP 0819855 B1 20041117**; DE 19629220 A1 19980122; DE 19629220 B4 20050512; DE 59712081 D1 20041223

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