

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

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