

Title (en)

Apparatus for transporting a gaseous medium

Title (de)

Vorrichtung zum Fördern eines gasförmigen Mediums

Title (fr)

Dispositif de transport d'un médium gazeux

Publication

EP 0602558 B1 19980128 (DE)

Application

EP 93119925 A 19931210

Priority

DE 4242474 A 19921216

Abstract (en)

[origin: EP0602558A1] In an apparatus for transporting a gaseous medium with a radial-flow blower (1), the flow channel (8) is widened in the region (14) of the outlet openings (15) of the impeller (2), designed as a paddle wheel, both in the axial direction and in the radial direction from the outlet openings (15) in the direction of the axis of rotation (16) of the impeller (2). This widening (18) has the effect of returning part of the expelled medium to the impeller (2). An increase in the energy potential of the transported medium occurs. At the same time, noise reduction is achieved and the occurrence of periodic pressure fluctuations is avoided. <IMAGE>

IPC 1-7

F04D 23/00; **F04D 17/08**

IPC 8 full level

F04D 17/08 (2006.01); **F04D 23/00** (2006.01)

CPC (source: EP)

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Cited by

EP0787903A3; EP1361366A3; CN1119531C; EP0863314A1; US6422808B1; US6779968B1; WO0058629A1

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