

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)
F04D 17/08 (2013.01); **F04D 23/008** (2013.01)

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

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0602558 A1 19940622; **EP 0602558 B1 19980128**; AU 5189493 A 19940630; DE 4242474 A1 19940623; DE 59308073 D1 19980305

DOCDB simple family (application)
EP 93119925 A 19931210; AU 5189493 A 19931125; DE 4242474 A 19921216; DE 59308073 T 19931210