

Title (en)

Low specific speed blower rotor

Title (de)

Gebläserad mit geringer spezifischer Drehzahl

Title (fr)

Rotor de soufflante à vitesse spécifique réduite

Publication

**EP 1013938 B1 20010801 (DE)**

Application

**EP 98124090 A 19981218**

Priority

EP 98124090 A 19981218

Abstract (en)

[origin: EP1013938A1] The cross section of the impeller blade passage in its last third is smaller in the direction of the circumferential edge or remains constant and in which the thickness of the impeller blade(6) is correspondingly profiled. The blade incidence has a value of more than 40 degrees. The impeller has an overall weight, including the motor, of less than 10 grams with a power capacity of 0.054 Watts. An Independent claim is included for a use for the radial fan equipped with the proposed impeller and which may be for dust collecting and measuring, and breathing air filtration, or in medical fields for breathing equipment and/or ventilated hoods.

IPC 1-7

**F04D 29/28**; **F04D 29/30**

IPC 8 full level

**F04D 29/28** (2006.01); **F04D 29/30** (2006.01)

CPC (source: EP US)

**F04D 29/284** (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US)

Cited by

CN104912846A; EP2677175A1; WO2008129475A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 1013938 A1 20000628**; **EP 1013938 B1 20010801**; CA 2289785 A1 20000618; CA 2289785 C 20080122; DE 59801139 D1 20010906; ES 2160389 T3 20011101; US 6340291 B1 20020122

DOCDB simple family (application)

**EP 98124090 A 19981218**; CA 2289785 A 19991116; DE 59801139 T 19981218; ES 98124090 T 19981218; US 45831499 A 19991210