

Title (en)

COMPRESSOR IN AN EXHAUST-GAS TURBOCHARGER FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VERDICHTER IN EINEM ABGASTURBOLADER FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

COMPRESSEUR DANS UN TURBOCOMPRESSEUR A GAZ D'ECHAPPEMENT POUR UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1532368 B1 20060510 (DE)**

Application

**EP 03797228 A 20030807**

Priority

- DE 10238658 A 20020823
- EP 0308741 W 20030807

Abstract (en)

[origin: DE10238658A1] The compressor has a rotor, a diffuser, and an adjusting ring for guide blades. The ring has adjusting elements, to charge the guide blades in direction of rotation at a distance to the guide blade shaft. The blades are forked on the side away from the shaft, with two fork ends enclosing an open retainer, to accommodate the adjusting element. The adjustable diffuser body (13) is fastened directly to the rear wall (14) of the compressor housing.

IPC 8 full level

**F04D 29/46** (2006.01); **F01D 17/16** (2006.01); **F03B 1/04** (2006.01); **F04D 27/02** (2006.01)

CPC (source: EP US)

**F01D 17/165** (2013.01 - EP US); **F04D 27/0246** (2013.01 - EP US); **F04D 29/462** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 10238658 A1 20040311**; DE 50303308 D1 20060614; EP 1532368 A1 20050525; EP 1532368 B1 20060510; US 2005207885 A1 20050922; US 7186077 B2 20070306; WO 2004027265 A1 20040401

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