

Title (en)

DISTRIBUTOR FOR AN EXHAUST GAS TURBINE

Title (de)

LEITAPPARAT FÜR EINE ABGASTURBINE

Title (fr)

DISTRIBUTEUR POUR UNE TURBINE A GAZ D'ECHAPPEMENT

Publication

**EP 1642009 B1 20061018 (DE)**

Application

**EP 04731148 A 20040505**

Priority

- EP 2004004758 W 20040505
- DE 10325985 A 20030607

Abstract (en)

[origin: WO2004109063A1] The invention relates to a distributor for an exhaust gas turbine of a turbocharger. Said distributor comprises a bearing ring and a contoured sleeve that are spaced apart by spacer elements and between which adjustable guide blades are rotatably mounted. The contoured sleeve is inserted together with a radial seal in a spiral housing so as to be axially slidable and defines a lateral outer contour of a bladed wheel so as to have play. The bearing ring (22) is centered relative to a housing (27) of the exhaust gas turbine (10) and received by an annular, flexible support element (23). The invention is characterized in that the support element is produced in a non-cutting and/or cutting manner as a structural component having a constant wall thickness.

IPC 8 full level

**F01D 17/16** (2006.01); **F02C 6/12** (2006.01)

CPC (source: EP US)

**F01D 17/165** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US)

Cited by

DE102012110329A1; DE102013106063A1; DE102012109549A1; DE102018115448A1; DE102013106063A8; US11346249B2; US11220957B2; DE102008053079A1; US7918023B2; DE102007040679A1; WO2014067628A1; US8333556B2; US7980816B2; US11391179B2; WO2014056574A1; DE102012109549B4

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 2004109063 A1 20041216**; DE 10325985 A1 20041223; DE 502004001823 D1 20061130; EP 1642009 A1 20060405; EP 1642009 B1 20061018; JP 2006527323 A 20061130; JP 4280936 B2 20090617; US 2011236197 A1 20110929

DOCDB simple family (application)

**EP 2004004758 W 20040505**; DE 10325985 A 20030607; DE 502004001823 T 20040505; EP 04731148 A 20040505; JP 2006508161 A 20040505; US 29513805 A 20051206