

Title (en)

SWIRL-GENERATING APPARATUS AND TURBOCHARGER WITH SUCH A SWIRL-GENERATING APPARATUS

Title (de)

DRALLERZEUGUNGSAPPARAT UND TURBOLADER MIT EINEM SOLCHEN DRALLERZEUGUNGSAPPARAT

Title (fr)

APPAREIL DE PRODUCTION DE ROTATION ET TURBOCOMPRESSEUR ÉQUIPÉ D'UN TEL APPAREIL

Publication

EP 2225467 B1 20161214 (DE)

Application

EP 08868301 A 20081027

Priority

- EP 2008064520 W 20081027
- DE 102007062204 A 20071221

Abstract (en)

[origin: WO2009083292A1] The invention relates to a swirl-generating apparatus (10), in particular for a turbocharger (44), for generating pre-swirl, wherein the swirl-generating apparatus has: a housing (12) comprising a first and second housing element (14, 16), wherein guide vanes (18) are arranged between the housing elements along the periphery, wherein the housing is configured such that a gaseous medium flows into the housing along the periphery to the side, wherein the housing has a guide element (20) which deflects the gaseous medium in a substantially axial direction before it flows out of the housing, and an adjusting device (30, 58) for adjusting the guide vanes (58) in order to generate pre-swirl.

IPC 8 full level

F04D 27/02 (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/46** (2006.01)

CPC (source: EP)

F04D 27/0246 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/444** (2013.01); **F04D 29/462** (2013.01); **F05D 2250/51** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009083292 A1 20090709; DE 102007062204 A1 20090903; EP 2225467 A1 20100908; EP 2225467 B1 20161214

DOCDB simple family (application)

EP 2008064520 W 20081027; DE 102007062204 A 20071221; EP 08868301 A 20081027