

Title (en)
FLUID ENERGY MACHINE, IN PARTICULAR FOR AN EXHAUST-GAS TURBOCHARGER, WITH AN OBLIQUELY ARRANGED, ROTATABLE GUIDE ELEMENT

Title (de)
FLUIDENERGIEMASCHINE, INSBESONDERE FÜR EINEN ABGASTURBOLADER, MIT SCHRÄG ANGEORDNETEM, DREHBAREM LEITELEMENT

Title (fr)
MACHINE À ÉNERGIE HYDRAULIQUE OU PNEUMATIQUE, EN PARTICULIER POUR UN TURBOCOMPRESSEUR, DOTÉ D'UN ÉLÉMENT DE GUIDAGE ROTATIF DISPOSÉ EN BIAIS

Publication
EP 2785982 A1 20141008 (DE)

Application
EP 12780413 A 20121010

Priority
• DE 102011119879 A 20111201
• EP 2012004237 W 20121010

Abstract (en)
[origin: WO2013079137A1] The invention relates to a fluid energy machine, in particular for an exhaust-gas turbocharger of a motor vehicle, having a housing which has a receiving chamber (16) for receiving a rotor (18) which can be rotated relative to the housing about a first rotational axis (20) which runs in the axial direction, and at least one channel, through which a gas can flow and from which the gas can be guided via a feed channel (14) which is connected fluidically to the channel in a flow direction which runs obliquely with respect to the axial direction and obliquely with respect to the radial direction to the receiving chamber (16), or to which the gas can be guided via the feed channel (14) which is connected fluidically to the channel in a further flow direction which runs obliquely with respect to the axial direction and obliquely with respect to the radial direction from the receiving chamber (16), and having at least one guide element (12) which is arranged at least partially in the feed channel (14) and by means of which the gas which flows through the feed channel (14) can be deflected, wherein the guide element (12) can be rotated relative to the housing about a second rotational axis (38) which runs obliquely with respect to the axial direction and obliquely with respect to the radial direction.

IPC 8 full level
F01D 17/16 (2006.01); **F03B 3/18** (2006.01); **F04D 27/02** (2006.01); **F04D 29/46** (2006.01)

CPC (source: EP US)
F01D 17/16 (2013.01 - EP US); **F02C 6/12** (2013.01 - EP US); **F02M 26/00** (2016.02 - EP US); **F04D 29/4213** (2013.01 - EP US); **F04D 29/462** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2250/51** (2013.01 - EP US)

Citation (search report)
See references of WO 2013079137A1

Citation (examination)
CN 102182546 A 20110914 - BEIJING INST TECHNOLOGY

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011119879 A1 20130606; CN 103958837 A 20140730; CN 103958837 B 20151021; EP 2785982 A1 20141008; JP 2014534378 A 20141218; JP 5947393 B2 20160706; US 2014248134 A1 20140904; US 9759164 B2 20170912; WO 2013079137 A1 20130606

DOCDB simple family (application)
DE 102011119879 A 20111201; CN 201280059541 A 20121010; EP 12780413 A 20121010; EP 2012004237 W 20121010; JP 2014543783 A 20121010; US 201414279061 A 20140515