

Title (en)
TURBINE FOR AN EXHAUST-GAS TURBOCHARGER

Title (de)
TURBINE FÜR EINEN ABGASTURBOLADER

Title (fr)
TURBINE DESTINÉE À UN TURBOCOMPRESSEUR À GAZ D'ÉCHAPPEMENT

Publication
EP 2734709 A1 20140528 (DE)

Application
EP 12732532 A 20120622

Priority
• DE 102011108195 A 20110720
• EP 2012002637 W 20120622

Abstract (en)
[origin: WO2013010617A1] The invention relates to a turbine for an exhaust-gas turbocharger of an internal combustion engine, having a turbine housing (14) which delimits a receiving chamber (18) at least in regions, in which receiving chamber a turbine wheel (20) can be accommodated so as to be rotatable about an axis of rotation (22) and to which receiving chamber exhaust gas of the internal combustion engine can be supplied via at least one flow duct (38), in which at least one flow duct is arranged at least one guide blade (72) which is movable relative to the turbine housing (14) and which at least one flow duct is delimited in the axial direction of the receiving chamber (18) at least in regions by at least one wall part (70), which is arranged so as to overlap the guide blade (72) at least in regions, of the turbine (12). According to the invention, the wall part (70) has at least one first wall region (80) which is arranged so as to overlap the guide blade (72) at least in regions and which is recessed in relation to at least one second wall region (82), which adjoins the first wall region (80), of the wall part (70).

IPC 8 full level
F01D 17/16 (2006.01); **F02B 37/24** (2006.01); **F02C 6/12** (2006.01)

CPC (source: EP US)
F01D 17/16 (2013.01 - US); **F01D 17/165** (2013.01 - EP US); **F02B 37/24** (2013.01 - EP US); **F02C 6/12** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2013010617A1

Citation (examination)
DE 102008034751 A1 20100128 - BENTELER AUTOMOBILTECHNIK GMBH [DE]

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 102011108195 A1 20130124; **DE 102011108195 B4 20221027**; CN 103703219 A 20140402; CN 103703219 B 20160511; EP 2734709 A1 20140528; JP 2014521009 A 20140825; JP 5890021 B2 20160322; US 2014099191 A1 20140410; WO 2013010617 A1 20130124

DOCDB simple family (application)
DE 102011108195 A 20110720; CN 201280035946 A 20120622; EP 12732532 A 20120622; EP 2012002637 W 20120622; JP 2014520548 A 20120622; US 201314106745 A 20131214