

Title (en)

AXIAL TURBINE FOR A GAS TURBINE

Title (de)

AXIALTURBINE FÜR EINE GASTURBINE MIT GERINGEM SPIEL ZWISCHEN SCHAUFELN UND GEHÄUSE

Title (fr)

TURBINE AXIALE POUR UNE TURBINE À GAZ

Publication

EP 2297430 A1 20110323 (DE)

Application

EP 09797468 A 20090708

Priority

- EP 2009058682 W 20090708
- EP 08012960 A 20080717
- EP 09797468 A 20090708

Abstract (en)

[origin: EP2146054A1] The axial flow turbine (1) has rotor blades (2) aerodynamically laid at their shovel points (13) in such a manner that the range is settled with a highest pressure load of the shovel points within the range of the front edges (3) during operation of the axial flow turbine. The rotor blades have a radial elevation (16) within the range of its front edges and an annular space wall (11) having a circulating radial recess (15) at an annular space inner side (12).

IPC 8 full level

F01D 5/20 (2006.01); **F01D 5/14** (2006.01)

CPC (source: EP US)

F01D 5/141 (2013.01 - EP US); **F01D 5/143** (2013.01 - EP US); **F01D 5/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2010006976A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2146054 A1 20100120; CN 102099548 A 20110615; CN 102099548 B 20140319; EP 2297430 A1 20110323; EP 2297430 B1 20130828; JP 2011528082 A 20111110; JP 5260740 B2 20130814; US 2011188999 A1 20110804; WO 2010006976 A1 20100121

DOCDB simple family (application)

EP 08012960 A 20080717; CN 200980128055 A 20090708; EP 09797468 A 20090708; EP 2009058682 W 20090708; JP 2011517874 A 20090708; US 200913054162 A 20090708