

Title (en)

GAS TURBINE HAVING AN EXHAUST GAS DIFFUSER AND SUPPORTING FINS

Title (de)

GASTURBINE MIT EINEM ABGAS-DIFFUSOR UND STÜTZRIPPEN

Title (fr)

TURBINE À GAZ PRÉSENTANT UN DIFFUSEUR DE GAZ DE COMBUSTION ET DES NERVURES SUPPORT

Publication

EP 2791478 A1 20141022 (DE)

Application

EP 13700689 A 20130115

Priority

- EP 12157273 A 20120228
- EP 2013050610 W 20130115
- EP 13700689 A 20130115

Abstract (en)

[origin: EP2634381A1] The turbine (10) has an exhaust gas diffuser (21) connected to a turbine unit (24). An inflow-side annular diffuser channel (33) is limited by a conical channel wall (40). Inward extending hollow support ribs (35) are provided at the channel for fastening a radial bearing (51). A blow line (47) for blow air, is led into the diffuser. An inflow side end of the blow line is connected with an axial-flow turbo compressor (18). An outflow-side end of the blow line is fluidically connected with a cavity of the ribs. The ribs comprise apertures (49) for blowing the blow air into the channel.

IPC 8 full level

F01D 25/30 (2006.01); **F02C 6/08** (2006.01)

CPC (source: EP US)

F01D 25/30 (2013.01 - EP US); **F02C 6/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2013127553A1

Citation (examination)

US 2744722 A 19560508 - ORR NOLAN B

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DOCDB simple family (publication)

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