

Title (en)

ANTI-VORTEX STRUCTURE FOR A GAS TURBINE

Title (de)

ANTIWIRBELSTRUKTUR FÜR EINE GASTURBINE

Title (fr)

STRUCTURE ANTI-VORTEX POUR UNE TURBINE À GAZ

Publication

**EP 3199755 A1 20170802 (EN)**

Application

**EP 16152938 A 20160127**

Priority

EP 16152938 A 20160127

Abstract (en)

This application describes a gas turbine rotor (10) extending along a rotor axis (12), the gas turbine rotor comprising a rotor body, a cooling bore (50) extending inside the rotor body, a cavity (40) extending inside the rotor body at the rotor axis, the cavity being in fluid communication with the cooling bore and the cooling bore being configured and arranged to direct a cooling fluid to the cavity from a compressor adjacent to the rotor body, and an anti-vortex structure (70, 72) attached to the rotor body and arranged inside the cavity at the rotor axis.

IPC 8 full level

**F01D 5/08** (2006.01)

CPC (source: EP)

**F01D 5/085** (2013.01)

Citation (search report)

- [XY] US 6808362 B1 20041026 - GLAHN JOERN-AXEL [US], et al
- [X] EP 2628897 A2 20130821 - GEN ELECTRIC [US]
- [Y] EP 2826956 A1 20150121 - SIEMENS AG [DE]
- [E] WO 2016072998 A1 20160512 - GEN ELECTRIC [US]
- [A] EP 2826957 A1 20150121 - SIEMENS AG [DE]

Cited by

CN112360761A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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