

Title (en)

Vortex reducing device for a gas turbine engine

Title (de)

Wirbelreduktionsanordnung einer Gasturbine

Title (fr)

Dispositif pour la réduction des tourbillons dans une turbine à gaz

Publication

EP 2410136 A2 20120125 (EN)

Application

EP 11165089 A 20110506

Priority

US 84130610 A 20100722

Abstract (en)

A gas turbine engine (12) has a vortex reducing device (20) therein that includes a retainer (30) and paddles (32). The retainer is arcuate in shape and has a plurality of circumferentially spaced slots (46) that extend through it. The paddles are circumferentially spaced about the retainer and extend outward therefrom. Each paddle is disposed between adjacent slots.

IPC 8 full level

F01D 25/12 (2006.01); **F01D 5/08** (2006.01); **F04D 27/02** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)

F01D 5/082 (2013.01 - EP US); **F01D 5/088** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F04D 29/584** (2013.01 - EP US); **F05D 2260/606** (2013.01 - EP US)

Cited by

CN114838008A; EP2840230A1; CN114838006A; US10570914B2; WO2015024696A1; WO2022171240A1

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

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