

Title (en)

LPC FLOWPATH SHAPE WITH GAS TURBINE ENGINE SHAFT BEARING CONFIGURATION

Title (de)

LPC-STRÖMUNGSWEGFORM MIT GASTURBINENMOTORWELLENLAGER

Title (fr)

FORME DE TRAJET D'ÉCOULEMENT DE COMPRESSEUR BASSE PRESSION (LPC) AVEC CONFIGURATION DE PALIER DE MOTEUR DE TURBINE À GAZ

Publication

**EP 3027866 A1 20160608 (EN)**

Application

**EP 14831790 A 20140619**

Priority

- US 201361860334 P 20130731
- US 201314067354 A 20131030
- US 2014043184 W 20140619

Abstract (en)

[origin: WO2015017042A1] A gas turbine engine includes a core housing that includes an inlet case and an intermediate case that respectively provide an inlet case flow path and an intermediate case flowpath. A shaft provides a rotational axis. A hub is operatively supported by the shaft. A rotor is connected to the hub and supports a compressor section. The compressor section is arranged in a core flow path axially between the inlet case flow path and the intermediate case flow path. The core flowpath has an inner diameter and an outer diameter. At least a portion of inner diameter has an increasing slope angle relative to the rotational axis. A bearing is mounted to the hub and supports the shaft relative to one of the intermediate case and the inlet case.

IPC 8 full level

**F02C 3/13** (2006.01)

CPC (source: EP)

**F01D 5/143** (2013.01); **F02C 9/18** (2013.01); **F02K 3/075** (2013.01); **F04D 19/028** (2013.01); **F04D 29/547** (2013.01); **F05D 2250/314** (2013.01); **F05D 2260/98** (2013.01); **Y02T 50/60** (2013.01)

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)

**WO 2015017042 A1 20150205**; EP 3027866 A1 20160608; EP 3027866 A4 20170426

DOCDB simple family (application)

**US 2014043184 W 20140619**; EP 14831790 A 20140619