

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 A4 20170426 (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)

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Citation (search report)

- [X] US 8402741 B1 20130326 - MERRY BRIAN D [US], et al
- [XA] US 2012195753 A1 20120802 - DAVIS TODD A [US], et al
- [XI] EP 2584153 A2 20130424 - UNITED TECHNOLOGIES CORP [US]
- See references of WO 2015017042A1

Designated contracting state (EPC)

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