

Title (en)

Annulus filler and corresponding stage and gas turbine engine

Title (de)

Ringspaltfüller und zugehörige Stufe und Gasturbinenriebwerk

Title (fr)

Plateforme entretoise annulaire, étage et motor à turbine à gaz associés

Publication

EP 2837773 B1 20161116 (EN)

Application

EP 14180628 A 20140812

Priority

GB 201314540 A 20130814

Abstract (en)

[origin: EP2837773A1] An annulus filler 100 is provided for mounting to a rotor disc 34 of a gas turbine engine 10 and bridging the gap between two adjacent blades 25 attached to the rotor disc. The annulus filler has an outer lid 30 which defines an airflow surface for air being drawn through the engine, the lid having a leading edge 40 and a trailing edge 42 in an axial airflow direction. The annulus filler further has a support arrangement which is connectable to the rotor disc to support the lid on the rotor disc. The support arrangement includes a first engageable portion 40 at the leading edge of the lid and a second engageable portion 42 at the trailing edge of the lid. The engageable portions engage in use with respective adjacent parts of the gas turbine engine, and have respective galvanic corrosion barriers 48, 49 which prevent or reduce galvanic corrosion between the material of the lid and the respective adjacent engine parts.

IPC 8 full level

F01D 11/00 (2006.01)

CPC (source: EP US)

F01D 11/008 (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US); **F05D 2300/434** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Cited by

FR3102796A1; EP3663530A1; FR3089548A1; US11162418B2; US12012857B2

Designated contracting state (EPC)

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