

Title (en)

Seal and airfoil tip clearance control

Title (de)

Dichtungseinrichtung und Regelung des Schaufelspitzenspiels

Title (fr)

Dispositif d'étanchéité et réglage du jeu des extrémités d'aubes

Publication

EP 2392780 A2 20111207 (EN)

Application

EP 11168277 A 20110531

Priority

US 79105610 A 20100601

Abstract (en)

A turbine section includes a housing (31) and a blade outer air seal (42) to be mounted on the housing. A flex beam (34) mounts the blade outer air seal (42) onto the housing (31), with the flex beam (34) being supported on the housing (31), but free to move relative to the housing (31). A pressure air chamber (30) is formed on an opposed side of the flex beam (34) from the blade outer air seal (42). A source of pressurized air is delivered into the chamber (30) to cause the flex beam (34) to move the blade outer air seal (42) toward and away from a central axis of the housing (31).

IPC 8 full level

F01D 11/22 (2006.01)

CPC (source: EP US)

F01D 11/22 (2013.01 - EP US); **F05D 2260/406** (2013.01 - EP US)

Cited by

US9327368B2; WO2014052345A1

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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