

Title (en)

Active control for gas turbine rotor-stator clearance.

Title (de)

Aktive Rotor-Statorspielregelung für Gasturbine.

Title (fr)

Commande active du jeu rotor-stator pour turbine à gaz.

Publication

**EP 0481149 B1 19950308 (EN)**

Application

**EP 90630181 A 19901017**

Priority

EP 90630181 A 19901017

Abstract (en)

[origin: EP0481149A1] A method for preventing rubbing between a gas turbine engine rotor and surrounding annular shroud during transient changes in engine power monitors high rotor speed for determining the existence of a thermal mismatch between the rotor and shroud supporting turbine case (9). The method directs the cooling flow modulating valve (44) to substantially shut off the flow of cooling air to the case (9) for a period of time sufficient to allow the thermal mismatch to pass. <IMAGE>

IPC 1-7

**F01D 11/08**

IPC 8 full level

**F01D 11/24** (2006.01)

CPC (source: EP)

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Designated contracting state (EPC)

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**EP 0481149 A1 19920422; EP 0481149 B1 19950308**; DE 69017685 D1 19950413; DE 69017685 T2 19950706

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