

Title (en)

TURBINE CYLINDER WITH A DEVICE TO ADJUST THE TIP CLEARANCE BETWEEN THE TURBINE BLADES AND THE CYLINDER

Publication

EP 0192556 B1 19890524 (FR)

Application

EP 86400286 A 19860211

Priority

FR 8502022 A 19850213

Abstract (en)

[origin: US4787817A] A device for maintaining clearance between rotor blades and a surrounding housing is disclosed in which the device radially expands or contracts to match the expansion or contraction of the rotor blade tips. The expansion or contraction of the device is achieved by thermal transfer between the device and the gasses passing over the rotor blades. The device has several alternating segments having different thermal characteristics such that the expansion/contraction characteristics of the rotor blade can be accurately matched by the device.

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F01D 11/08

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

FR 2164215 A5 19730727 - PENNY ROBERT

Cited by

DE10305899A1; EP0770761A1; EP0716220A1; FR2728016A1; GB2244524A; GB2244524B

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