

Title (en)
LABYRINTH CLEARANCE ADJUSTMENT FOR A TURBO MACHINE

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EP 0259221 B1 19900307 (FR)

Application
EP 87401931 A 19870826

Priority
FR 8612358 A 19860903

Abstract (en)
[origin: US4773817A] The adjustment of clearances at the time of assembly and subsequently during operation of a labyrinth seal lying between the rotor and stator of a turbomachine is effected by radial displacements of a bush radially rigid with an outer pivot pin of each blade of the stator and co-operates with a boss of the casing by means of screw-threads. Such displacements are controlled as a function of a signal provided by a computer which integrates various operational parameters of the turbomachine and acts on a control ring connected by a lever to the said bush. The internal pivot of the blade is rigid with an annular member which carries a layer of abradable material constituting a fixed part of the labyrinth seal. The rotary part of the labyrinth seal is mounted on an opposed part of the rotor. A method for effecting the adjustment of the clearances is also described.

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CPC (source: EP US)
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Cited by
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