

Title (en)

Turbomachine with means to control the tip clearance between rotor and stator

Title (de)

Turbomaschine mit Einrichtungnen um das Schaufelspitzenspiel zwischen Rotor und Stator zu Regeln

Title (fr)

Turbomachine équipée de moyens de pilotage des jeux entre rotor et stator

Publication

EP 0651139 B1 19990107 (FR)

Application

EP 94402400 A 19941026

Priority

FR 9312798 A 19931027

Abstract (en)

[origin: EP0651139A1] The invention relates to a turbo machine including a shroud (2) consisting of a plurality of shroud elements (2a, 2b,...) in the form of circular sectors each one bearing stationary vanes (4) on one internal face, and a circular casing (1) surrounding the shroud. It is characterised in that it includes a support ring (6) comprising a plurality of circular ring sectors (6a, 6b,...) each one fixed to the casing and having a U-shaped cross-section, the opening of which U points towards the shroud, each shroud element including fastening means (9a) capable of being inserted into the opening of at least one ring sector in order to secure the said ring sector and the shroud element together. Application to aircraft engines. <IMAGE>

IPC 1-7

F01D 25/24; **F01D 25/26**

IPC 8 full level

F01D 25/24 (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)

F01D 25/246 (2013.01 - EP US); **F01D 25/265** (2013.01 - EP US)

Cited by

EP1944474A3; EP1288444A1; FR2829176A1; US7070387B2; US9039358B2; WO03018962A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0651139 A1 19950503; **EP 0651139 B1 19990107**; DE 69415765 D1 19990218; DE 69415765 T2 19990729; FR 2711730 A1 19950505; FR 2711730 B1 19951201; US 5616003 A 19970401

DOCDB simple family (application)

EP 94402400 A 19941026; DE 69415765 T 19941026; FR 9312798 A 19931027; US 33007294 A 19941026