

Title (en)

Turbine shroud segment attachment

Title (de)

Turbinendeckbandsegmentbefestigung

Title (fr)

Attachement de la bande de recouvrement d'une turbine

Publication

EP 1408200 B1 20070411 (DE)

Application

EP 03009435 A 20030425

Priority

DE 10247355 A 20021010

Abstract (en)

[origin: EP1408200A2] Turbine shroud ring segment fixing comprises several shroud ring segments (2) arranged in a housing (1). The individual shroud ring segments are mounted with play (3) between the individual shroud ring segments in the peripheral direction. The play is reduced to zero at a specified temperature difference between the housing and the shroud ring segments. The shroud ring segments are mounted on the housing by an elastically deformable bearing. Preferred Features: The bearing consists of T-shaped bearing elements (4) with specifically angled and shaped side arms. The bearing elements are formed in one piece with the shroud ring segments.

IPC 8 full level

F01D 11/16 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 11/16 (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Cited by

EP1965034A1; EP2154335A1; EP4421293A1; EP1965035A1; EP3179054A1; CN106988805A; FR2913051A1; US10822972B2; US11773741B2; US8403636B2; EP2495399B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1408200 A2 20040414; **EP 1408200 A3 20050831**; **EP 1408200 B1 20070411**; DE 10247355 A1 20040422; DE 50307000 D1 20070524; US 2004115043 A1 20040617; US 7189057 B2 20070313

DOCDB simple family (application)

EP 03009435 A 20030425; DE 10247355 A 20021010; DE 50307000 T 20030425; US 68132903 A 20031009