

Title (en)

Nozzle vanes support and heat accumulation segment

Title (de)

Träger für Leitschaufel und Wärmestausegment

Title (fr)

Support pour aubes statoriques et segment d'accumulation de chaleur

Publication

**EP 1293644 B1 20080123 (DE)**

Application

**EP 02405745 A 20020830**

Priority

US 94963601 A 20010912

Abstract (en)

[origin: US6514041B1] A thermal turbo machine is provided for the attachment of guide vanes on its stationary housing with guide vane carriers with a guide vane platform, from which braces extend towards a band that is suspended in a recess in the stationary housing. In particular, part of the axially adjoining heat shield segments form part of the guide vane platform, and the braces are arranged in a V shape. The braces and the guide vane platform furthermore include a first material, and the band of a second material, whereby the first material has a higher coefficient of expansion than the second material. The guide vane carrier according to the invention has the advantage that the radial blade clearance for the guide vanes and at the same time the radial blade clearance for the rotating blades is minimized for different operating conditions of the turbo machine.

IPC 8 full level

**F01D 11/18** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

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Cited by

AU2006226419B2; KR101259205B1; AU2006226334B8; AU2006226334B2; US7665958B2; US7665957B2; US7658593B2; WO2006100237A1; WO2006100233A1; WO2006100235A1

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