

Title (en)

Inner shroud for the stator vanes of a gas turbine compressor

Title (de)

Innendeckband für die Statorschaufeln des Verdichters einer Gasturbine

Title (fr)

Virole interne pour les aubes statoriques d'un compresseur de turbine à gaz

Publication

EP 1531234 B1 20061129 (DE)

Application

EP 04090415 A 20041101

Priority

DE 10353810 A 20031117

Abstract (en)

[origin: EP1531234A1] The inner shroud (6) of the stator blades (3) of the compressor of a gas turbine is formed from a one-piece plastic component in which is bonded or concentrated in the sub-regions with a defined function a specific additive for establishing the thermal expansion of the shroud and to achieve the necessary characteristics required in these sub-regions, and/or prefabricated inserts with such characteristics are formed therein. The plastic component contains additive in fiber and/or powder form.

IPC 8 full level

F01D 9/04 (2006.01); **F01D 11/00** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)

F01D 9/04 (2013.01 - EP US); **F01D 11/001** (2013.01 - EP US); **F01D 17/162** (2013.01 - EP US); **F04D 29/08** (2013.01 - US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Cited by

EP1998006A3; EP2261467A3; US8951010B2; WO2007085230A1; US9777593B2; DE102007037855A1; US8403630B2; EP1998006A2; EP2025946A2

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