Title (en)

Coated transition duct for a gas turbine

Title (de)

Beschichteter Überströmkanal für eine Gasturbine

Title (fr)

Conduit de transition revêtu pour une turbine à gaz

Publication

EP 0949410 A3 20001102 (DE)

Application

EP 99103176 A 19990218

Priority

DE 19815473 A 19980407

Abstract (en)

[origin: EP0949410A2] A gas turbine hot gas inlet manifold consists of a heat and corrosion resistant metal substrate (9) with interior and exterior high temperature corrosion and oxidation protective layers (4). The metal substrate consists of a nickel base alloy and the high temperature corrosion and oxidation protective layers consist of MCrAlY containing 31% Cr, 11% Al and 0.6% Y.

IPC 1-7

F02C 7/30; F01D 9/02

IPC 8 full level

F02C 7/00 (2006.01); **F01D 5/28** (2006.01); **F01D 9/02** (2006.01); **F02C 7/30** (2006.01)

CPC (source: EP US)

C23C 28/3215 (2013.01 - EP US); **C23C 28/325** (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F01D 9/023** (2013.01 - EP US); F05D 2230/90 (2013.01 - EP US); F05D 2300/15 (2013.01 - EP US)

Citation (search report)

- [X] US 5223045 A 19930629 - PRICEMAN SEYMOUR [US]
- [DA] WO 8907159 A1 19890810 - SIEMENS AG [DE]
- [DA] WO 9102108 A1 19910221 - SIEMENS AG [DE]
- [DA] WO 9634128 A1 19961031 - SIEMENS AG [DE], et al
- [DA] WO 9634129 A1 19961031 - SIEMENS AG [DE], et al
- [DA] DE 4242099 A1 19940616 - ABB PATENT GMBH [DE]

Cited by

US9109279B2; WO2007101465A1; EP2198064A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 99103176 A 19990218; CA 2263834 A 19990302; CN 99103609 A 19990305; DE 19815473 A 19980407; DE 59906280 T 19990218; JP 11268399 A 19990317; US 26303699 A 19990305