

Title (en)

COMPONENT ANTI-OXIDATION COATING FOR SUCH A COMPONENT AND CORRESPONDING PRODUCTION METHOD

Title (de)

BAUTEIL, OXIDATIONSSCHUTZBESCHICHTUNG FÜR EIN SOLCHES BAUTEIL UND HERSTELLVERFAHREN

Title (fr)

COMPOSANT, REVETEMENT DE PROTECTION CONTRE L'OXYDATION POUR UN COMPOSANT DE CE TYPE ET PROCÉDE DE FABRICATION

Publication

EP 1680526 A2 20060719 (DE)

Application

EP 04789911 A 20041004

Priority

- DE 2004002194 W 20041004
- DE 10350882 A 20031031

Abstract (en)

[origin: WO2005045089A2] The invention relates to a component with a substrate region as anti-oxidation coating, in particular, a component for a gas turbine, with a substrate surface and a substrate composition for the component, with a substrate region in the region of the substrate surface of the component, produced by diffusion therein of at least one metal. According to the invention, the component has a substrate composition based on nickel, with an aluminium component of more than 4.5 wt. %, whereby at least one metal of the platinum group is exclusively diffused in the substrate surface of the component to form the substrate region.

IPC 1-7

C23C 10/08

IPC 8 full level

C23C 10/18 (2006.01); **C23C 10/26** (2006.01); **C23C 10/28** (2006.01); **C23C 10/30** (2006.01); **C23C 10/52** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

C23C 10/18 (2013.01 - EP US); **C23C 10/26** (2013.01 - EP US); **C23C 10/30** (2013.01 - EP US); **C23C 10/52** (2013.01 - EP US); **Y10T 428/12493** (2015.01 - EP US); **Y10T 428/12875** (2015.01 - EP US); **Y10T 428/12944** (2015.01 - EP US)

Citation (search report)

See references of WO 2005045089A2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

WO 2005045089 A2 20050519; **WO 2005045089 A3 20051020**; DE 10350882 A1 20050602; EP 1680526 A2 20060719; US 2007134095 A1 20070614; US 7662484 B2 20100216

DOCDB simple family (application)

DE 2004002194 W 20041004; DE 10350882 A 20031031; EP 04789911 A 20041004; US 57763404 A 20041004