

Title (en)

STEAM TURBINE COMPONENT AND METHOD FOR PRODUCING A PROTECTIVE COATING ON THE COMPONENT

Title (de)

DAMPFTURBINENBAUTEIL SOWIE VERFAHREN ZUR HERSTELLUNG EINER SCHUTZBESCHICHTUNG AUF DEM BAUTEIL

Title (fr)

ELEMENT POUR UNE TURBINE A VAPEUR ET PROCEDE POUR PRODUIRE UN REVETEMENT DE PROTECTION SUR L' ELEMENT

Publication

EP 1181437 A1 20020227 (DE)

Application

EP 00931207 A 20000512

Priority

- EP 00931207 A 20000512
- EP 0004319 W 20000512
- EP 99109627 A 19990514

Abstract (en)

[origin: WO0070190A1] The invention relates to a component (80) which can be subjected to hot steam and which has a metallic base body (81) to which a protective layer (82) is bonded by diffusion. Said protective layer (82) increases the base material's resistance to oxidation, comprises aluminum, and has a thickness (D) of less than 50 μ m. The invention also relates to a method for producing a protective coating which increases the component's (80) resistance to oxidation.

IPC 1-7

F01D 5/28; **C22C 21/02**; **C23C 2/12**; **C23C 24/10**; **C23C 10/22**

IPC 8 full level

C22C 21/02 (2006.01); **C23C 2/12** (2006.01); **C23C 10/22** (2006.01); **C23C 24/10** (2006.01); **C23C 26/00** (2006.01); **F01D 5/28** (2006.01); **F22B 37/04** (2006.01); **F22B 37/10** (2006.01)

CPC (source: EP KR US)

C23C 2/12 (2013.01 - EP US); **C23C 26/00** (2013.01 - EP US); **F01D 5/28** (2013.01 - KR); **F01D 5/288** (2013.01 - EP US); **F22B 37/04** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0070190 A1 20001123; CA 2372880 A1 20001123; CN 1165668 C 20040908; CN 1359446 A 20020717; DE 50006157 D1 20040527; EP 1181437 A1 20020227; EP 1181437 B1 20040421; JP 2002544396 A 20021224; JP 4703857 B2 20110615; KR 20020005035 A 20020116; US 6755613 B1 20040629

DOCDB simple family (application)

EP 0004319 W 20000512; CA 2372880 A 20000512; CN 00809833 A 20000512; DE 50006157 T 20000512; EP 00931207 A 20000512; JP 2000618585 A 20000512; KR 20017014521 A 20011114; US 95997401 A 20011114