

Title (en)

PROTECTIVE LAYER FOR PROTECTING A COMPONENT FROM CORROSION AND/OR OXIDATION AT HIGH TEMPERATURES AND COMPONENT

Title (de)

SCHUTZSCHICHT ZUM SCHUTZ EINES BAUTEILS GEGEN KORROSION UND/ODER OXIDATION BEI HOHEN TEMPERATUREN UND BAUTEIL

Title (fr)

COUCHE DE PROTECTION POUR LA PROTECTION D UN ELEMENT CONTRE LA CORROSION ET/OU L OXYDATION A HAUTE TEMPERATURE ET ELEMENT

Publication

EP 1948836 A1 20080730 (DE)

Application

EP 06807569 A 20061026

Priority

- EP 2006067802 W 20061026
- EP 05024112 A 20051104
- EP 06807569 A 20061026

Abstract (en)

[origin: EP1783236A1] An alloy consists of 26-28 wt.% Co, 20-22 wt.% Cr, 7-9 wt.% Al, 0.5-0.7 wt.% Y and/or at least one equivalent metal chosen from the group comprising Sc and the rare earth elements, 0-2 wt.% Si, 0-11 wt.% Re, and the rest Ni. The alloy has a protective layer (7) which protects it against corrosion and/or oxidation. A ceramic heat-insulating layer is applied to the protective layer.

IPC 8 full level

C22C 19/05 (2006.01); **C22C 19/07** (2006.01); **C23C 4/08** (2006.01)

CPC (source: EP US)

C22C 19/058 (2013.01 - EP US); **C23C 28/321** (2013.01 - EP US); **C23C 28/345** (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **Y02T 50/60** (2013.01 - US); **Y10T 428/12535** (2015.01 - EP US); **Y10T 428/12778** (2015.01 - EP US)

Citation (search report)

See references of WO 2007051755A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1783236 A1 20070509; EP 1948836 A1 20080730; US 2009263675 A1 20091022; WO 2007051755 A1 20070510

DOCDB simple family (application)

EP 05024112 A 20051104; EP 06807569 A 20061026; EP 2006067802 W 20061026; US 8407706 A 20061026