

Title (en)
Alloy, protective layer and component

Title (de)
Legierung, Schutzschicht und Bauteil

Title (fr)
Alliage, couche de protection et composant

Publication
EP 1790746 B1 20101110 (DE)

Application
EP 05025683 A 20051124

Priority
EP 05025683 A 20051124

Abstract (en)
[origin: EP1790746A1] A cobalt alloy comprises (wt.%): nickel (9-11); chromium (22-24); aluminum (11-13); rhenium (1.5-3.5); yttrium, scandium or rare earth metal (0.5-0.7); and cobalt (to 100). Independent claims are also included for the following: (1) a protective layer for protecting a part against corrosion and/or oxidation, especially at high temperatures, comprising an alloy as above; (2) a part, especially of a gas turbine, with a protective layer as above.

IPC 8 full level
C22C 19/07 (2006.01); **C22C 30/00** (2006.01)

CPC (source: EP)
C22C 19/07 (2013.01); **C23C 4/134** (2016.01); **C23C 28/3215** (2013.01); **C23C 28/3455** (2013.01); **F01D 5/288** (2013.01)

Cited by
EP2813591A1; DE102009037622A1; DE102009037622B4

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 1790746 A1 20070530; EP 1790746 B1 20101110; DE 502005010521 D1 20101223

DOCDB simple family (application)
EP 05025683 A 20051124; DE 502005010521 T 20051124