

Title (en)
ALLOY, PROTECTIVE LAYER AND COMPONENT

Title (de)
LEGIERUNG, SCHUTZSCHICHT UND BAUTEIL

Title (fr)
ALLIAGE, COUCHE PROTECTRICE ET PIÈCE

Publication
EP 2637863 A1 20130918 (DE)

Application
EP 11796648 A 20111128

Priority
• EP 11150300 A 20110106
• EP 2011071200 W 20111128
• EP 11796648 A 20111128

Abstract (en)
[origin: EP2474413A1] An alloy comprises (in wt.%) cobalt (24-26, preferably 25), chromium (12-14, preferably 13), aluminum (10-12, preferably 11) and elements chosen from scandium and rare-earth element, preferably yttrium (0.2-0.5, preferably 0.3), and remainder of nickel. An independent claim is included for layer for protecting component from corrosion and/or oxidation at high temperatures.

IPC 8 full level
B32B 15/01 (2006.01); **C22C 19/05** (2006.01); **C22C 30/00** (2006.01); **C23C 4/08** (2006.01); **C23C 14/14** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)
B32B 15/01 (2013.01 - EP US); **B32B 15/04** (2013.01 - US); **C22C 19/05** (2013.01 - EP US); **C22C 19/055** (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **C22C 19/058** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US); **C23C 4/073** (2016.01 - EP US); **C23C 28/3215** (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F05D 2300/175** (2013.01 - EP US); **Y02T 50/60** (2013.01 - US); **Y10T 428/12611** (2015.01 - EP US)

Citation (examination)
WO 2011151334 A1 20111208 - SIEMENS AG [DE], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 11150300 A 20110106; CN 201180064396 A 20111128; EP 11796648 A 20111128; EP 2011071200 W 20111128; RU 2013136551 A 20111128; US 201113997365 A 20111128