

Title (en)

COATING SYSTEM WITH NICOCRALY DOUBLE PROTECTIVE COATING HAVING DIFFERING CHROMIUM CONTENT AND ALLOY

Title (de)

SCHICHTSYSTEM MIT NICOCRALY-DOPPELSCHUTZSCHICHT MIT UNTERSCHIEDLICHEM CHROMGEHALT UND LEGIERUNG

Title (fr)

SYSTÈME STRATIFIÉ COMPRENANT UNE DOUBLE COUCHE DE PROTECTION EN NICOCRALY AVEC UNE TENEUR EN CHROME DIFFÉRENTE ET ALLIAGE

Publication

**EP 2788530 A1 20141015 (DE)**

Application

**EP 12812931 A 20121218**

Priority

- EP 12159894 A 20120316
- EP 2012075883 W 20121218
- EP 12812931 A 20121218

Abstract (en)

[origin: EP2639336A1] Layer system (1) comprises at least one substrate (4) with two layers (7), preferably an upper nickel-cobalt-chromium-aluminum-yttrium containing layer (A) (13) and lower nickel-cobalt-chromium-aluminum-yttrium containing layer (B) (10), where an amount of chromium in the upper layer (B) is at least 3 wt.%, preferably at least 5 wt.% less than the amount of chromium in the lower layer (A). An independent claim is also included for an alloy comprising 22-26 wt.%, preferably 23-25 wt.% cobalt, 23-25 wt.%, preferably 24 wt.% chromium, 10.5-12 wt.%, preferably 10.5 wt.% aluminum, 0.2-0.6 wt.%, preferably 0.3-0.5 wt.% yttrium, and nickel.

IPC 8 full level

**C23C 28/00** (2006.01); **C23C 28/02** (2006.01)

CPC (source: EP US)

**B32B 15/01** (2013.01 - EP US); **C22C 19/058** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US); **C23C 28/022** (2013.01 - EP US); **C23C 28/321** (2013.01 - EP US); **C23C 28/3215** (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **F05D 2300/175** (2013.01 - US); **Y02T 50/60** (2013.01 - US); **Y10T 428/12611** (2015.01 - EP US); **Y10T 428/12944** (2015.01 - EP US)

Citation (search report)

See references of WO 2013135326A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2639336 A1 20130918**; CN 104169469 A 20141126; CN 104169469 B 20161116; EP 2788530 A1 20141015; JP 2015517022 A 20150618; JP 5932066 B2 20160608; KR 101662416 B1 20161004; KR 20140129151 A 20141106; US 2015030876 A1 20150129; WO 2013135326 A1 20130919

DOCDB simple family (application)

**EP 12159894 A 20120316**; CN 201280071489 A 20121218; EP 12812931 A 20121218; EP 2012075883 W 20121218; JP 2014561302 A 20121218; KR 20147025394 A 20121218; US 201214384365 A 20121218