

Title (en)
PROCESS OF PRODUCING A TITANIUM-FREE ALLOY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER TITANFREIEN LEGIERUNG

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN ALLIAGE DÉPOURVU DE TITANE

Publication
EP 3105358 B1 20180613 (DE)

Application
EP 15716712 A 20150210

Priority

- DE 102014002402 A 20140213
- DE 102014002693 A 20140228
- DE 2015000053 W 20150210

Abstract (en)
[origin: WO2015120832A1] Titanium-free alloy which has great resistance to pitting and crevice corrosion and a high yield point in the strain-hardened state and comprises (in wt%) a maximum of 0.02% C, a maximum of 0.01% S, a maximum of 0.03% N, 20.0-23.0% Cr, 39.0-44.0% Ni, 0.4 - < 1.0 % Mn, 0.1 - < 0.5 % Si, > 4.0 - < 7.0 % Mo, a maximum of 0.15 % Nb, > 1.5 - < 2.5 % Cu, 0.05 - < 0.3 % Al, a maximum of 0.5 % Co, 0.001 - < 0.005 % B, 0.005 - < 0.015 % Mg, the remainder consisting of Fe and smelting-related impurities.

IPC 8 full level
C21D 6/00 (2006.01); **C21D 1/26** (2006.01); **C21D 8/00** (2006.01); **C21D 8/02** (2006.01); **C21D 8/10** (2006.01); **C21D 9/00** (2006.01); **C21D 9/08** (2006.01); **C21D 9/46** (2006.01); **C21D 9/52** (2006.01); **C22C 1/02** (2006.01); **C22C 30/00** (2006.01); **C22C 38/08** (2006.01); **C22C 38/18** (2006.01); **C22C 38/20** (2006.01); **C22C 38/22** (2006.01); **C22C 38/40** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/52** (2006.01); **C22C 38/54** (2006.01)

CPC (source: CN EP KR US)
C21D 1/26 (2013.01 - EP US); **C21D 6/004** (2013.01 - EP KR US); **C21D 8/00** (2013.01 - CN); **C21D 8/005** (2013.01 - EP US); **C21D 8/021** (2013.01 - EP US); **C21D 8/0221** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP KR US); **C21D 8/0247** (2013.01 - EP US); **C21D 8/0263** (2013.01 - EP KR US); **C21D 8/105** (2013.01 - EP US); **C21D 9/0068** (2013.01 - EP US); **C21D 9/0081** (2013.01 - EP US); **C21D 9/08** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C21D 9/52** (2013.01 - EP US); **C22C 1/02** (2013.01 - EP US); **C22C 19/055** (2013.01 - CN); **C22C 30/00** (2013.01 - EP US); **C22C 30/02** (2013.01 - CN US); **C22C 38/002** (2013.01 - CN); **C22C 38/004** (2013.01 - CN EP KR US); **C22C 38/02** (2013.01 - CN); **C22C 38/04** (2013.01 - CN); **C22C 38/06** (2013.01 - CN); **C22C 38/08** (2013.01 - EP KR US); **C22C 38/18** (2013.01 - EP KR US); **C22C 38/20** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/40** (2013.01 - EP US); **C22C 38/42** (2013.01 - CN EP KR US); **C22C 38/44** (2013.01 - CN EP KR US); **C22C 38/48** (2013.01 - CN KR); **C22C 38/52** (2013.01 - CN EP KR US); **C22C 38/54** (2013.01 - CN EP KR US); **C22F 1/10** (2013.01 - CN)

Cited by
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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

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WO 2015120832 A1 20150820; BR 112016012184 A2 20170926; BR 112016012184 B1 20210427; CN 105745345 A 20160706; CN 105745345 A8 20160810; CN 114000032 A 20220201; EP 3105358 A1 20161221; EP 3105358 B1 20180613; JP 2017510704 A 20170413; JP 6300941 B2 20180328; KR 101865406 B1 20180607; KR 20160135168 A 20161125; US 10174397 B2 20190108; US 2017002437 A1 20170105

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