

Title (en)  
INTERMETALLIC ALLOY BASED ON TITANIUM

Title (de)  
INTERMETALLISCHE LEGIERUNG AUF DER BASIS VON TITAN

Title (fr)  
ALLIAGE INTERMÉTALLIQUE À BASE DE TITANE

Publication  
**EP 3237646 A1 20171101 (FR)**

Application  
**EP 15823349 A 20151214**

Priority  
• FR 1463066 A 20141222  
• FR 2015053481 W 20151214

Abstract (en)  
[origin: CA2971092A1] The invention relates to an intermetallic alloy based on titanium, comprising, in atomic percentages, between 16% and 26% of Al, between 18% and 28% of Nb, between 0% and 3% of a metal M selected from Mo, W, Hf, and V, between 0% and 0.8% of Si, between 0% and 2% of Ta, and between 1% and 4% of Zr, with the condition Fe+Ni < 400 ppm, the remainder being Ti, the alloy also having an Al/Nb ratio in atomic percent of between 1.05 and 1.15.

IPC 8 full level  
**C22C 14/00** (2006.01); **C22C 30/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: CN EP RU US)  
**C22C 1/0458** (2013.01 - CN EP US); **C22C 1/047** (2023.01 - CN EP US); **C22C 14/00** (2013.01 - CN EP RU US); **C22C 30/00** (2013.01 - RU); **C22F 1/183** (2013.01 - CN EP US); **F01D 5/28** (2013.01 - RU)

Citation (search report)  
See references of WO 2016102806A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3030577 A1 20160624**; **FR 3030577 B1 20190823**; BR 112017013328 A2 20180306; BR 112017013328 B1 20220303; CA 2971092 A1 20160630; CA 2971092 C 20230103; CN 107109540 A 20170829; CN 107109540 B 20190820; EP 3237646 A1 20171101; EP 3237646 B1 20181010; JP 2018505316 A 20180222; JP 6805163 B2 20201223; RU 2017126060 A 20190124; RU 2017126060 A3 20190619; RU 2730348 C2 20200821; US 10119180 B2 20181106; US 2017342524 A1 20171130; WO 2016102806 A1 20160630

DOCDB simple family (application)  
**FR 1463066 A 20141222**; BR 112017013328 A 20151214; CA 2971092 A 20151214; CN 201580069975 A 20151214; EP 15823349 A 20151214; FR 2015053481 W 20151214; JP 2017551367 A 20151214; RU 2017126060 A 20151214; US 201515538119 A 20151214