

Title (en)
THERMAL TREATMENT OF AN ALUMINIUM-TITANIUM BASED ALLOY

Title (de)
WÄRMEBEHANDLUNG EINER ALUMINIUM-TITAN-BASIS-LEGIERUNG

Title (fr)
TRAITEMENT THERMIQUE D'UN ALLIAGE À BASE D'ALUMINURE DE TITANE

Publication
EP 3129516 B1 20210609 (FR)

Application
EP 15719501 A 20150402

Priority
• FR 1453131 A 20140408
• FR 2015050871 W 20150402

Abstract (en)
[origin: WO2015155448A1] The invention relates to a method for the treatment of an alloy based on titanium aluminide. The method comprises the following steps during which no hot isostatic pressing is carried out: a semi-finished product (7) produced by centrifugal casting is obtained; and said semi-finished product is then heat-treated in order to obtain a microstructure of the alloy comprising gamma grains and/or lamellar grains (alpha2/gamma).

IPC 8 full level
C22C 14/00 (2006.01); **B22D 13/00** (2006.01); **C22F 1/18** (2006.01); **F01D 5/00** (2006.01)

CPC (source: EP US)
B21K 3/04 (2013.01 - US); **B22D 7/005** (2013.01 - EP US); **B22D 13/026** (2013.01 - EP US); **B22D 13/04** (2013.01 - EP US); **B22D 13/107** (2013.01 - EP US); **B22D 21/005** (2013.01 - EP US); **B22D 27/15** (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP US); **F01D 5/147** (2013.01 - US); **F01D 5/28** (2013.01 - US); **F05D 2220/30** (2013.01 - US); **F05D 2230/21** (2013.01 - US); **F05D 2230/42** (2013.01 - US)

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)
FR 3019561 A1 20151009; FR 3019561 B1 20171208; EP 3129516 A1 20170215; EP 3129516 B1 20210609; US 10329655 B2 20190625; US 2017022594 A1 20170126; WO 2015155448 A1 20151015

DOCDB simple family (application)
FR 1453131 A 20140408; EP 15719501 A 20150402; FR 2015050871 W 20150402; US 201515302418 A 20150402