Title (en)

ENHANCE DUCTILITY OF GAMMA TITANIUM ALUMINUM ALLOYS BY REDUCING INTERSTITIAL CONTENTS

Title (de)

ERHÖHTE DUKTILITÄT VON GAMMA-TITAN-ALUMINIUM-LEGIERUNGEN DURCH REDUZIERUNG VON INTERSTITIELLEN ANTEILEN

Title (fr)

AMÉLIORATION DE LA DUCTILITÉ D'ALLIAGES DE TITANE ALUMINIUM GAMMA PAR RÉDUCTION DE TENEURS INTERSTITIELLES

Publication

EP 3266889 A1 20180110 (EN)

Application

EP 17179909 A 20170706

Priority

US 201615204092 A 20160707

Abstract (en)

A process to increase ductility includes utilizing ^{3}-TiAl alloy as a base alloy and reducing at least one interstitial of the base alloy to create an alloy compositions with extremely low interstitials (Eli).

IPC 8 full level

C22C 14/00 (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)

C22C 1/00 (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP US)

Citation (search report)

- [X] US 2014202601 A1 20140724 - HELM DIETMAR [DE], et al
- [XP] EP 3109337 A1 20161228 - MTU AERO ENGINES AG [DE]
- [X] US 2011277891 A1 20111117 - CLEMENS HELMUT [AT], et al
- [X] EP 2620517 A1 20130731 - MTU AERO ENGINES GMBH [DE]
- [X] EP 2851445 A1 20150325 - MTU AERO ENGINES AG [DE]
- [X] B. P. BEWLAY ET AL: "TiAl alloys in commercial aircraft engines", MATERIALS AT HIGH TEMPERATURES., vol. 33, no. 4-5, 28 June 2016 (2016-06-28), GB, pages 549 - 559, XP055425624, ISSN: 0960-3409, DOI: 10.1080/09603409.2016.1183068

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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