

Title (en)

METHOD FOR PRODUCING FORGED COMPONENTS FROM A TIAL ALLOY AND COMPONENT PRODUCED THEREBY

Title (de)

VERFAHREN ZUR HERSTELLUNG GESCHMIEDETER BAUTEILE AUS EINER TIAL-LEGIERUNG UND ENTSPRECHEND HERGESTELLTES BAUTEIL

Title (fr)

PROCÉDÉ DE FABRICATION DE PIÈCES FORGÉES DANS UN ALLIAGE TIAL ET PIÈCE FORGÉE FABRIQUÉE PAR CE PROCÉDÉ

Publication

EP 2807281 B1 20210602 (DE)

Application

EP 13705380 A 20130119

Priority

- DE 102012201082 A 20120125
- DE 2013000037 W 20130119

Abstract (en)

[origin: WO2013110260A1] The invention relates to a method for producing a component from a TiAl alloy, wherein the component is shaped by forging, in particular isothermal forging, and is subsequently subjected to at least one heat treatment, wherein in the first heat treatment the temperature is between 1100 and 1200 °C and is maintained for 6 to 10 hours and then the component is cooled.

IPC 8 full level

C22C 14/00 (2006.01); **C22C 21/00** (2006.01); **C22C 30/00** (2006.01); **C22F 1/00** (2006.01)

CPC (source: EP US)

C22C 14/00 (2013.01 - EP US); **C22F 1/183** (2013.01 - EP US); **F01D 5/28** (2013.01 - US); **F01D 9/02** (2013.01 - US); **F05D 2230/25** (2013.01 - EP US); **F05D 2230/40** (2013.01 - EP US); **F05D 2230/41** (2013.01 - US); **F05D 2300/174** (2013.01 - EP US)

Citation (examination)

EP 2386663 A1 20111116 - BOEHLER SCHMIEDETECHNIK GMBH & CO KG [AT]

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)

DE 102012201082 A1 20130725; **DE 102012201082 B4 20170126**; EP 2807281 A1 20141203; EP 2807281 B1 20210602; ES 2877557 T3 20211117; US 10107112 B2 20181023; US 2014369822 A1 20141218; WO 2013110260 A1 20130801

DOCDB simple family (application)

DE 102012201082 A 20120125; DE 2013000037 W 20130119; EP 13705380 A 20130119; ES 13705380 T 20130119; US 201314374260 A 20130119