

Title (en)

\$g(G)-TIAL ALLOY-BASED COMPONENT COMPRISING AREAS HAVING A GRADUATED STRUCTURE

Title (de)

BAUTEIL AUF BASIS VON GAMMA-TIAL-LEGIERUNGEN MIT BEREICHEN MIT GRADIERTEM GEFÜGE

Title (fr)

COMPOSANT A BASE D'ALLIAGES GAMMA-TIAL COMPORTANT DES ZONES DE STRUCTURE GRADUEE

Publication

EP 1287173 B1 20080116 (DE)

Application

EP 01936369 A 20010517

Priority

- DE 10024343 A 20000517
- EP 0105621 W 20010517

Abstract (en)

[origin: US2004045644A1] The invention relates to a component produced in one piece from an intermetallic gamma-TiAl-based alloy with graduated microstructure transition between spatially adjacent areas each of different microstructure structure, which has a lamellar cast microstructure composed of alpha2/gamma lamellae in at least one area, and a near-gamma microstructure, duplex microstructure or fine-lamellar microstructure in at least one other area, and a transition zone with graduated microstructure, in which the lamellar cast microstructure gradually changes into the other named microstructure, is present between these areas, as well as to a process for its production.

IPC 8 full level

B22D 11/00 (2006.01); **C22C 14/00** (2006.01); **B22D 13/02** (2006.01); **B22D 27/02** (2006.01); **C22C 1/02** (2006.01); **C22F 1/18** (2006.01); **F01D 5/28** (2006.01); **F01L 3/02** (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 - EP US); **F01L 3/02** (2013.01 - EP US); **F05D 2300/2284** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0188214 A1 20011122; AT E384146 T1 20080215; AU 6229501 A 20011126; DE 10024343 A1 20011122; DE 50113507 D1 20080306; EP 1287173 A1 20030305; EP 1287173 B1 20080116; ES 2298238 T3 20080516; JP 2003533594 A 20031111; US 2004045644 A1 20040311

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EP 0105621 W 20010517; AT 01936369 T 20010517; AU 6229501 A 20010517; DE 10024343 A 20000517; DE 50113507 T 20010517; EP 01936369 A 20010517; ES 01936369 T 20010517; JP 2001584596 A 20010517; US 27640403 A 20030219