

Title (en)

Titanium-aluminium alloy having high-temperature ductility

Title (de)

Titan-Aluminium-Legierung mit ausgezeichneter Dehnbarkeit bei hohen Temperaturen

Title (fr)

Alliage titane-aluminium ductile à chaud

Publication

EP 1584697 B1 20101215 (FR)

Application

EP 05290750 A 20050405

Priority

FR 0403658 A 20040407

Abstract (en)

[origin: EP1584697A2] Alloy is made of titanium aluminate in which a minor fraction of the aluminium and titanium atoms is replaced by other atoms. It contains (by atomic %) 44 to 49 of aluminium, 0.5 to 3 of zirconium. 0.5 to 2 of iron, 0.5 to 2 of molybdenum, 0.2 to 0.5 of silicon and 0 to 3 of niobium. An independent claim is also included for: heat treatment of the alloy.

IPC 8 full level

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

CPC (source: EP)

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

Cited by

FR3121149A1; WO2022200736A1

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

EP 1584697 A2 20051012; EP 1584697 A3 20090715; EP 1584697 B1 20101215; AT E491819 T1 20110115; DE 602005025273 D1 20110127; FR 2868791 A1 20051014; FR 2868791 B1 20060714

DOCDB simple family (application)

EP 05290750 A 20050405; AT 05290750 T 20050405; DE 602005025273 T 20050405; FR 0403658 A 20040407