

Title (en)

Titanium aluminum intermetallic compound based alloy and method of fabricating a product from the alloy

Title (de)

Intermetallische Verbindung aus Titan-Aluminium-Basislegierung und Verfahren zur Herstellung eines Produktes aus dieser Legierung

Title (fr)

Composé intermétallique d'alliage à base de titane-aluminium et la méthode pour fabriquer un produit en cet alliage

Publication

EP 1308529 B1 20050126 (EN)

Application

EP 02024552 A 20021104

Priority

JP 2001339980 A 20011105

Abstract (en)

[origin: EP1308529A1] A titanium aluminum intermetallic compound based alloy superior in creep strength and low cycle fatigue strength made by casting. The alloy has lamellar structure. A volume ratio of non-lamellar structure of the alloy is equal to or less than 3 volume percent. Diameters of lamellar grains included in the alloy are equal to or less than 200 μ m. Lamellar spacing of the lamella structure included in the alloy is equal to or less than 2 μ m. <IMAGE>

IPC 1-7

C22C 14/00; **C22F 1/18**

IPC 8 full level

C22C 32/00 (2006.01); **C22C 14/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)

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Cited by

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