

Title (en)  
TITANIUM ALUMINIDE BASED ALLOY

Title (de)  
LEGIERUNG AUF DER BASIS VON TITANALUMINIDEN

Title (fr)  
ALLIAGE A BASE D'ALUMINURES DE TITANE

Publication  
**EP 1819838 B1 20090311 (DE)**

Application  
**EP 05784793 A 20050901**

Priority  
• EP 2005009402 W 20050901  
• DE 102004056582 A 20041123

Abstract (en)  
[origin: US2012263623A1] The invention concerns alloys made through the use of melting and powdered metallurgical techniques on the basis of titanium aluminides with an alloy composition of Ti-z Al-y Nb where 44.5 Atom % ~~zz~~47 Atom %, 44.5 Atom % ~~zz~~45.5 Atom %, and 5 Atom % ~~zy~~10 Atom % with possibly the addition of B and/or C at a content between 0.05 Atom % and 0.8 Atom %. Said alloy is characterized in that it contains a molybdenum (Mo) content ranging between 0.1 Atom % to 3.0 Atom %.

IPC 8 full level  
**C22C 14/00** (2006.01)

CPC (source: EP KR US)  
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JP 4467637 B2 20100526; KR 101010965 B1 20110126; KR 20070086597 A 20070827; RU 2007123588 A 20081227;  
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