

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
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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)
B22D 21/005 (2013.01 - EP US); **C22C 14/00** (2013.01 - EP KR US)

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EP 1819838 B1 20090311; ES 2322082 T3 20090616; JP 2008520826 A 20080619; JP 2009097095 A 20090507; JP 2009256802 A 20091105;
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JP 2007541707 A 20050901; JP 2008309663 A 20081204; JP 2009174427 A 20090727; KR 20077014345 A 20050901;
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