

Title (en)  
METASTABLE BETA-TITANIUM ALLOY

Title (de)  
METASTABILE BETA-TITANLEGIERUNG

Title (fr)  
ALLIAGE METASTABLE DE BETA-TITANE

Publication  
**EP 1449929 A1 20040825 (EN)**

Application  
**EP 02783880 A 20021118**

Priority  
• RU 0200502 W 20021118  
• RU 2001131383 A 20011122

Abstract (en)  
Metastable beta -titanium alloy contains, in mass %: from 1.5 to 3.5 aluminum; from 4.5 to 8.0 molybdenum; from 1.0 to 3.5 vanadium; from 1.5 to 3.8 iron; titanium balance. This alloy combines high strength and ductility. This allows to use it for production of a wide range of critical parts including fastener components and different coil springs (e.g. in automobile industry).

IPC 1-7  
**C22C 14/00**

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

CPC (source: EP US)  
**C22C 14/00** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1449929 A1 20040825; EP 1449929 A4 20050202; EP 1449929 B1 20060517**; AT E326554 T1 20060615; DE 60211548 D1 20060622; DE 60211548 T2 20060914; DK 1449929 T3 20060612; ES 2261754 T3 20061116; HK 1066832 A1 20050401; RU 2211873 C2 20030910; US 2006039819 A1 20060223; US 2008199350 A1 20080821; WO 03044234 A1 20030530

DOCDB simple family (application)  
**EP 02783880 A 20021118**; AT 02783880 T 20021118; DE 60211548 T 20021118; DK 02783880 T 20021118; ES 02783880 T 20021118; HK 04109637 A 20041206; RU 0200502 W 20021118; RU 2001131383 A 20011122; US 49649305 A 20050721; US 6949608 A 20080211