

Title (en)  
TITANIUM-BASED ALLOY

Title (de)  
LEGIERUNG AUF TITANBASIS

Title (fr)  
ALLIAGE A BASE DE TITANE

Publication  
**EP 1783235 B1 20090107 (EN)**

Application  
**EP 05772406 A 20050714**

Priority  
• RU 2005000381 W 20050714  
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Abstract (en)  
[origin: EP1783235A1] The invention relates to the field of metallurgy and particularly to titanium base alloys used for making high-strength and high-workable articles. The titanium base alloy consists of Aluminum, Vanadium, Molybdenum, Iron, and Oxygen in the following ratio, wt.%: Aluminum 3.5 - 4.4, Vanadium 2.0 - 4.0, Molybdenum 0.1 - 0.8, Iron max 0.4, Oxygen max 0.25, the balance is titanium. The technical objective is to provide a versatile alloy to be used for making of large forgings and die forgings, rolled sheet products and foil having sufficient strength and ductility and structure. 2 tables.

IPC 8 full level  
**C22C 14/00** (2006.01); **C22C 1/02** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)  
**C22C 1/02** (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP US)

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DOCDB simple family (publication)  
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