

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.

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