

Title (en)  
B TITANIUM COMPOSITIONS AND METHODS OF MANUFACTURE THEREOF

Title (de)  
B-TITAN-ZUSAMMENSETZUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
COMPOSITIONS DE TITANE \$G(B) ET LEURS PROCEDES DE FABRICATION

Publication  
**EP 1706517 A2 20061004 (EN)**

Application  
**EP 05761999 A 20050107**

Priority  
• US 2005000569 W 20050107  
• US 75503404 A 20040108

Abstract (en)  
[origin: US2004168751A1] A composition comprises about 8 to about 10 wt % molybdenum, about 2.8 to about 6 wt % aluminum, up to about 2 wt % vanadium, up to about 4 wt % niobium, with the balance being titanium, wherein the weight percents are based on the total weight of the alloy composition. A method for making an article comprises cold-working a shape from a composition comprising about 8 to about 10 wt % molybdenum, about 2.8 to about 6 wt % aluminum, up to about 2 wt % vanadium, up to about 4 wt % niobium, with the balance being titanium, wherein the weight percents are based on the total weight of the alloy composition; solution heat treating the shape; and cooling the shape.

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

CPC (source: EP US)  
**C22C 14/00** (2013.01 - EP US); **C22F 1/16** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP US)

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DE FR GB IT

DOCDB simple family (publication)  
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