

Title (en)
Producing titanium-molybdenum master alloys

Title (de)
Herstellung einer Titan-Molybdän-Vorlegierung

Title (fr)
Préparation d'un alliage-mère titane-molybdène

Publication
EP 0801138 A2 19971015 (EN)

Application
EP 97105999 A 19970411

Priority
US 63124496 A 19960412

Abstract (en)
This invention provides a method for producing substantially homogeneous alloy compositions which contain substantially lower melting base metals, such as titanium, and large amounts of refractory metals, such as molybdenum, tantalum, niobium, tungsten. The invention further provides a method for producing titanium base binary master alloys containing substantial amounts of molybdenum, preferably containing about 50% molybdenum with the balance being titanium, which are substantially free of molybdenum inclusions and thus are acceptable for subsequent alloying into final titanium base alloys. <IMAGE>

IPC 1-7
C22C 1/03

IPC 8 full level
C22C 1/03 (2006.01); **C22C 1/04** (2006.01); **C22C 14/00** (2006.01); **C22C 27/04** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP)
C22C 1/03 (2013.01)

Cited by
CN113462904A; CN114855052A; DE102010018303A1; DE102010018303B4; CN110551919A; US8414679B2; US8636825B2; US8394170B2; US8778262B2

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

DOCDB simple family (publication)
EP 0801138 A2 19971015; EP 0801138 A3 19980527; JP H1046269 A 19980217

DOCDB simple family (application)
EP 97105999 A 19970411; JP 11008097 A 19970414