

Title (en)

NITRIDED Mo ALLOY WORKED MATERIAL HAVING HIGH CORROSION RESISTANCE, HIGH STRENGTH AND HIGH TOUGHNESS AND METHOD FOR PRODUCTION THEREOF

Title (de)

NITRIERTER Mo-LEGIERUNGSWERKSTOFF MIT HOHER KORROSIONSBESTÄNDIGKEIT, HOHER FESTIGKEIT UND HOHER ZÄHIGKEIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ALLIAGE DE MO NITRURÉ AVEC HAUTE RÉSISTANCE À LA CORROSION, GRANDE RÉSISTANCE ET HAUTE TÉNACITÉ ET MÉTHODE DE SA FABRICATION

Publication

**EP 1491651 B1 20111116 (EN)**

Application

**EP 03745433 A 20030327**

Priority

- JP 0303912 W 20030327
- JP 2002098039 A 20020329

Abstract (en)

[origin: EP1491651A1] Nitrided molybdenum alloy worked material (1) comprises base molybdenum alloy worked material and molybdenum nitride layer (4) formed on the surface. The base worked material contains fine nitride particles (2) formed by nitriding a metal element present inside the worked material. The nitride layer is formed by nitriding a worked structure or a recovered structure.

IPC 8 full level

**C23C 8/24** (2006.01); **F02M 61/18** (2006.01); **C22C 1/10** (2006.01); **C22C 27/04** (2006.01); **C23C 8/02** (2006.01); **C23C 26/00** (2006.01)

CPC (source: EP KR US)

**C22C 27/04** (2013.01 - EP KR US); **C23C 8/02** (2013.01 - EP US); **C23C 8/24** (2013.01 - EP KR US); **C23C 26/00** (2013.01 - EP US)

Cited by

US10682437B2; US11779685B2; US11766506B2; CN108348339A; EP3316826A4

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