

Title (en)

Tool with coating

Title (de)

Werkzeug mit Beschichtung

Title (fr)

Outil doté d'un revêtement

Publication

EP 1990438 B1 20100707 (DE)

Application

EP 08450060 A 20080422

Priority

AT 7072007 A 20070508

Abstract (en)

[origin: EP1990438A1] Tool or object comprises a body part made from an iron-cobalt-molybdenum/tungsten-nitrogen alloy with a coating applied by physical vapor deposition or chemical vapor deposition and having a one-phase crystalline, cubic face-centered structure.

IPC 8 full level

C22C 38/10 (2006.01)

CPC (source: EP US)

C22C 33/0285 (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/10** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/52** (2013.01 - EP US); **B22F 2005/001** (2013.01 - EP US); **Y10T 428/12049** (2015.01 - EP US); **Y10T 428/12125** (2015.01 - EP US); **Y10T 428/12653** (2015.01 - EP US); **Y10T 428/31678** (2015.04 - EP US)

Cited by

AT515148A1; EP2886673A3; US10066279B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1990438 A1 20081112; **EP 1990438 B1 20100707**; AR 066254 A1 20090805; AT 505221 A1 20081115; AT 505221 B1 20090915; AT E473309 T1 20100715; BR PI0801492 A2 20081230; BR PI0801492 B1 20191126; CA 2630716 A1 20081108; CA 2630716 C 20120214; DE 502008000891 D1 20100819; ES 2348322 T3 20101202; RU 2008118281 A 20091120; RU 2384650 C2 20100320; SI 1990438 T1 20100930; UA 91381 C2 20100726; US 2009007992 A1 20090108; US 7851067 B2 20101214

DOCDB simple family (application)

EP 08450060 A 20080422; AR P080101696 A 20080423; AT 08450060 T 20080422; AT 7072007 A 20070508; BR PI0801492 A 20080508; CA 2630716 A 20080507; DE 502008000891 T 20080422; ES 08450060 T 20080422; RU 2008118281 A 20080507; SI 200830049 T 20080422; UA A200805742 A 20080505; US 11574608 A 20080506