

Title (en)
NICKEL-CHROMIUM-COBALT-MOLYBDENUM ALLOY

Title (de)
NICKEL-CHROM-KOBALT-MOLYBDÄN-LEGIERUNG

Title (fr)
ALLIAGE DE NICKEL-CHROME-COBALT-MOLYBDENUM

Publication
EP 2547804 B1 20140122 (DE)

Application
EP 11715651 A 20110315

Priority
• DE 102011013091 A 20110304
• DE 102010011609 A 20100316
• DE 2011000259 W 20110315

Abstract (en)
[origin: WO2011113419A1] The invention relates to a nickel-chromium-cobalt-molybdenum alloy, comprising (in weight %) Cr 20 - 24%, Fe = 1.5%, C 0.03-0.1%, Mn = 0.5%, Si = 0.25%, Co 10-15%, Cu 50.15%, Mo 8.0-10.0%, Ti 0.1-0.8%, Al 0.3 - 2.0%, P < 0.012%, S < 0.008%, B > 0.002 - < 0.008%, Nb > 0 - 2%, N = 0.015%, Mg = 0.05%, Ca = 0.01%, V = 1.0%, Ni remainder, and impurities resulting from smelting.

IPC 8 full level
C22C 1/02 (2006.01); **C22C 19/05** (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP KR US)
C21D 1/30 (2013.01 - EP US); **C21D 6/002** (2013.01 - EP US); **C22C 1/02** (2013.01 - EP KR US); **C22C 1/023** (2013.01 - EP US);
C22C 19/05 (2013.01 - EP KR US); **C22C 19/055** (2013.01 - EP US); **C22F 1/10** (2013.01 - EP KR US); **C21D 2211/004** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011113419 A1 20110922; CN 103080346 A 20130501; CN 103080346 B 20151118; DE 102011013091 A1 20111222;
EP 2547804 A1 20130123; EP 2547804 B1 20140122; KR 101527955 B1 20150610; KR 20120136362 A 20121218;
US 2013011295 A1 20130110; US 9011764 B2 20150421

DOCDB simple family (application)
DE 2011000259 W 20110315; CN 201180013867 A 20110315; DE 102011013091 A 20110304; EP 11715651 A 20110315;
KR 20127023963 A 20110315; US 201113634962 A 20110315