

Title (en)

Nickel-based alloy

Title (de)

Legierung auf Nickelbasis

Title (fr)

Alliage à base de nickel

Publication

EP 1840232 B1 20090513 (FR)

Application

EP 07105258 A 20070329

Priority

FR 0651145 A 20060331

Abstract (en)

[origin: EP1840232A1] Alloy comprises (wt.%): chromium (11.5-13.5); cobalt (11.5-16); molybdenum (3.4-5); tungsten (3-5); aluminum (2.2-3.2); titanium (3.5-5); niobium (0.5-2); hafnium (0.25-0.35); zirconium (0-0.07); carbon (0.015-0.03); boron (0.01-0.02); and nickel (100). Independent claims are included for: (1) a process for fabricating a part, comprising manufacturing a draft of the part, or the part itself, from the alloy powder by a powder metallurgical technique; and (2) a part of turbo machine, which is made of the alloy.

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP US)

C22C 1/0433 (2013.01 - EP US); **C22C 19/05** (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **C22F 1/10** (2013.01 - EP US)

Cited by

FR3104613A1; WO2021116607A1; FR3098849A1; CN104561662A; WO2023111456A1; FR3130292A1; WO2023175266A1; FR3133623A1; FR3130294A1; WO2023111457A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1840232 A1 20071003; EP 1840232 B1 20090513; CA 2583140 A1 20070930; CA 2583140 C 20150317; DE 602007001092 D1 20090625; FR 2899240 A1 20071005; FR 2899240 B1 20080627; JP 2007277721 A 20071025; JP 5398123 B2 20140129; RU 2007111861 A 20081010; RU 2433197 C2 20111110; US 2007227630 A1 20071004

DOCDB simple family (application)

EP 07105258 A 20070329; CA 2583140 A 20070329; DE 602007001092 T 20070329; FR 0651145 A 20060331; JP 2007091967 A 20070330; RU 2007111861 A 20070330; US 69420407 A 20070330