

Title (en)

NICKEL-CHROMIUM ALLOYS HAVING A DISPERSED PHASE

Publication

EP 0194683 B1 19880810 (EN)

Application

EP 86103366 A 19860313

Priority

US 71119985 A 19850313

Abstract (en)

[origin: EP0194683A1] A novel, nickel-base, high temperature alloy body preferably containing about 20% chromium. 6 to 7% aluminum to provide gamma min phase, 1.5 to 2.5% molybdenum, 3 to 4.5% tungsten, additional strengthening elements and oxidic yttrium in finely dispersed form. The alloy body has an elongated crystal structure and is characterized by high strength along with excellent hot corrosion and oxidation resistance.

IPC 1-7

C22C 32/00; **C22C 1/10**

IPC 8 full level

F01D 5/28 (2006.01); **C22C 1/10** (2006.01); **C22C 19/05** (2006.01); **C22C 32/00** (2006.01)

CPC (source: EP)

C22C 32/0026 (2013.01)

Cited by

EP0274631A1; CN102162049A; EP0384608A1; US4781772A; EP0330081A1

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DOCDB simple family (publication)

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EP 86103366 A 19860313; AT 86103366 T 19860313; CA 503724 A 19860311; DE 3660497 T 19860313; JP 5602086 A 19860313