

Title (en)

Ni-Cr-Co-Mo alloy for advanced gas turbine engines

Title (de)

Ni-Cr-Co-Mo Legierung für einen Gasturbinenantrieb

Title (fr)

Alliage de Ni-Cr-Co-Mo pour un moteur à turbine à gaz

Publication

EP 1640465 A2 20060329 (EN)

Application

EP 05018830 A 20050830

Priority

US 93492004 A 20040903

Abstract (en)

A wrought age-hardenable nickel-chromium-cobalt based alloy suitable for use in high temperature gas turbine transition ducts possessing a combination of three specific key properties, namely resistance to strain age cracking, good thermal stability, and good creep-rupture strength

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP GB KR US)

C22C 19/05 (2013.01 - KR); **C22C 19/055** (2013.01 - EP GB US); **C22C 19/056** (2013.01 - EP US)

Citation (applicant)

- US 2945758 A 19600719 - PREHN JAHNKE LOUIS, et al
- US 2747993 A 19560529 - JOHNSON ROBERT B
- US 3222165 A 19651207 - RAYMOND BIRD JACK, et al
- US 3248213 A 19660426 - SMITH RONALD A, et al

Cited by

EP3202931A4; CN111051548A; EP2246449A4; KR101293386B1; US9828657B2; WO2019233693A1; US9856553B2; US10221473B2; WO2014197088A1; US10358699B2; US10577680B2

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EP 1640465 A2 20060329; EP 1640465 A3 20060405; EP 1640465 B1 20091028; AT E447048 T1 20091115; AU 2005205736 A1 20060323; AU 2005205736 B2 20120223; CA 2517056 A1 20060303; CN 102586652 A 20120718; CN 102586652 B 20160511; CN 1743483 A 20060308; DE 602005017338 D1 20091210; DK 1640465 T3 20100301; ES 2335503 T3 20100329; GB 0517657 D0 20051005; GB 2417729 A 20060308; GB 2417729 B 20080116; JP 2006070360 A 20060316; JP 4861651 B2 20120125; KR 100788527 B1 20071224; KR 20060050963 A 20060519; MX PA05009401 A 20060307; PL 1640465 T3 20100630; RU 2005117714 A 20061220; RU 2377336 C2 20091227; TW 200609359 A 20060316; TW I359870 B 20120311; US 2006051234 A1 20060309

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EP 05018830 A 20050830; AT 05018830 T 20050830; AU 2005205736 A 20050831; CA 2517056 A 20050824; CN 200510078161 A 20050617; CN 201210057737 A 20050617; DE 602005017338 T 20050830; DK 05018830 T 20050830; ES 05018830 T 20050830; GB 0517657 A 20050831; JP 2005206381 A 20050715; KR 20050081625 A 20050902; MX PA05009401 A 20050902; PL 05018830 T 20050830; RU 2005117714 A 20050608; TW 94117291 A 20050526; US 93492004 A 20040903