

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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DOCDB simple family (application)  
**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