

Title (en)

HIGH TEMPERATURE RESISTANT ARTICLE

Title (de)

HOCHTEMPERATURBESTÄNDIGES BAUTEIL

Title (fr)

PIÈCE RÉSISTANTE À DES TEMPÉRATURES ÉLEVÉES

Publication

EP 1685264 A1 20060802 (DE)

Application

EP 04790725 A 20041021

Priority

- EP 2004011923 W 20041021
- EP 03027388 A 20031127
- EP 04790725 A 20041021

Abstract (en)

[origin: EP1536026A1] A high temperature resistant alloy component with gamma-phase deposits in which the alloy has at least one strength provider (SP) at a concentration of up to 2000 ppm, which increases the strength of the alloy because of the presence of gamma-deposits.

IPC 8 full level

C22C 19/00 (2006.01); **C22C 19/05** (2006.01)

CPC (source: EP US)

C22C 19/056 (2013.01 - EP US); **C22C 19/057** (2013.01 - EP US)

Citation (search report)

See references of WO 2005061742A1

Citation (examination)

- JP S4998719 A 19740918
- SU 433232 A1 19740625
- JP S4878017 A 19731019
- JP S63274743 A 19881111 - NIPPON STEEL CORP
- JP S63274731 A 19881111 - NIPPON STEEL CORP
- JP S57181355 A 19821108 - TSUCHIYA AKIO
- JP H0873935 A 19960319 - NIPPON KOKAN KK
- BRADLEY, ELIHU F. (CONSULTING EDITOR): "Superalloys , A Technical Guide", 1989, ASM INTERNATIONAL, Metals Park, OH44073, article "Chapter 1", pages: 1 - 7, 920300
- INTERNET CITATION: "Superalloys: A Primer and History", 2000, pages 1 - 5, Retrieved from the Internet <URL:http://www.tms.org/Meetings/Speciality/Superalloys2000/SuperalloysHistory.html> [retrieved on 20100312]
- OSOJNIK A. ET AL: "Trace elements analysis in steel and vacuum cast superalloys", VACUUM, PERGAMON PRESS, GB, vol. 43, no. 5-7, 1 May 1992 (1992-05-01), pages 717 - 721, XP025849340, ISSN: 0042-207X, [retrieved on 19920501]

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

EP 1536026 A1 20050601; CN 100549197 C 20091014; CN 1886525 A 20061227; EP 1685264 A1 20060802; EP 1914326 A2 20080423; EP 1914326 A3 20091125; US 2007071607 A1 20070329; WO 2005061742 A1 20050707

DOCDB simple family (application)

EP 03027388 A 20031127; CN 200480034730 A 20041021; EP 04790725 A 20041021; EP 07019290 A 20041021; EP 2004011923 W 20041021; US 58069604 A 20041021