Title (en)

Process for producing a heat resistant part from an iron-nickel superalloy

Title (de)

Verfahren zur Herstellung eines hochtemperaturbeständigen Werkstoffkörpers aus einer Eisen-Nickel-Superlegierung

Title (fr)

Procédé de fabrication d'une pièce résistante à la chaleur en superalliage fer-nickel

Publication

EP 0774530 B1 20010221 (DE)

Application

EP 96810753 A 19961107

Priority

DE 19542919 A 19951117

Abstract (en)

[origin: EP0774530A1] Production of temperature-resistant material comprises solution calcining and age-hardening a thermally strengthened starting body made of an iron-nickel superalloy of IN 706 type. The solution calcined starting body is cooled at a rate of 0.5-20 degrees C/minute from the calcining temperature to the temperature for age-hardening.

IPC 1-7

C22F 1/10

IPC 8 full level

C22F 1/00 (2006.01); **C21D 6/00** (2006.01); **C22C 19/05** (2006.01); **C22C 30/00** (2006.01); **C22C 38/00** (2006.01); **C22C 38/52** (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP KR US)

C22C 38/08 (2013.01 - KR); **C22F 1/10** (2013.01 - EP US)

Cited by

EP0839923A1; FR2768156A1; US8313593B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0774530 A1 19970521; **EP 0774530 B1 20010221**; CA 2184850 A1 19970518; CA 2184850 C 20080429; CN 1094994 C 20021127; CN 1165205 A 19971119; DE 19542919 A1 19970522; DE 59606461 D1 20010329; JP H09170016 A 19970630; KR 970027350 A 19970624; RU 2191215 C2 20021020; US 5846353 A 19981208

DOCDB simple family (application)

EP 96810753 A 19961107; CA 2184850 A 19960905; CN 96123394 A 19961114; DE 19542919 A 19951117; DE 59606461 T 19961107; JP 30515696 A 19961115; KR 19960046581 A 19961017; RU 96121929 A 19961114; US 70760396 A 19960905