

Title (en)

Ni based casting alloy and turbine casing

Title (de)

Gusslegierung auf Ni-Basis und Turbinengehäuse

Title (fr)

Alliage de moulage à base de Ni et capot de turbine

Publication

**EP 2292807 A1 20110309 (EN)**

Application

**EP 10008945 A 20100827**

Priority

JP 2009204246 A 20090904

Abstract (en)

A Ni based cast alloy consisting essentially of C: 0.01 to 0.2 % by weight, Si: 0.5 to 4.0 % by weight, Cr: 14 to 22 % by weight, Mo + W: 4.0 to 10 % by weight, B: 0.001 to 0.02 % by weight, Co: up to 10 % by weight, Al: up to 0.5 % by weight, Ti: up to 0.5 % by weight, Nb: up to 5.0 % by weight, Fe: up to 10 % by weight, the balance being Ni and incidental impurities, wherein a  $\gamma'$  phase precipitates in a matrix phase thereof.

IPC 8 full level

**C22C 19/05** (2006.01)

CPC (source: EP US)

**C22C 19/051** (2013.01 - EP US); **C22C 19/055** (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **C22F 1/10** (2013.01 - EP US)

Citation (applicant)

- JP 2006022343 A 20060126 - HITACHI LTD
- JP 2007092123 A 20070412 - HITACHI LTD
- JP 2000169924 A 20000620 - HITACHI METALS LTD, et al
- JP 2006118016 A 20060511 - HITACHI LTD

Citation (search report)

- [A] US 4764225 A 19880816 - SHANKAR SRINIVASAN [US], et al
- [A] WO 2006067189 A1 20060629 - SIEMENS AG [DE], et al
- [A] DE 19525983 A1 19960201 - HITACHI METALS LTD [JP]
- [A] WO 0153551 A1 20010726 - INCO ALLOYS INT [US], et al
- [A] JP H0776721 A 19950320 - NIDATSUKU KK

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EP2730670A1; EP2796578A1; US10266926B2; US11001913B2; US9464343B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2292807 A1 20110309**; JP 2011052303 A 20110317; JP 4982539 B2 20120725; US 2011058977 A1 20110310

DOCDB simple family (application)

**EP 10008945 A 20100827**; JP 2009204246 A 20090904; US 87043210 A 20100827