

Title (en)

Ni-based alloy for a casting part of a steam turbine with excellent high temperature strength, castability and weldability

Title (de)

Ni-basierte Legierung für ein Gussteil einer Dampfturbine mit ausgezeichneter Warmfestigkeit, ausgezeichneten Guss- und Schweiß Eigenschaften

Title (fr)

Alliage à base de Ni pour une pièce de moulage d'une turbine à vapeur avec une excellente résistance à haute température, coulabilité et soudabilité

Publication

EP 2206795 A3 20100804 (EN)

Application

EP 09013152 A 20091019

Priority

JP 2008328459 A 20081224

Abstract (en)

[origin: EP2206795A2] A Ni-based alloy for a casting part of a steam turbine having excellent high temperature strength, castability and weldability includes, in percentage by mass, 0.01 to 0.15 of C, 18 to 28 of Cr, 10 to 15 of Co, 8 to 12 of Mo, 1.5 to 2 of Al, 0.1 to 3 of Ti, 0.001 to 0.006 of B, 0.1 to 0.7 of Ta, and the balance of Ni plus unavoidable impurities.

IPC 8 full level

C22C 19/05 (2006.01); **C22C 1/02** (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP US)

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

Citation (search report)

[XP] EP 2039789 A1 20090325 - TOSHIBA KK [JP]

Cited by

ITMI20110830A1; EP2537608A1; EP2671957A3; US8622083B2; WO2015052466A1; US9447486B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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