

Title (en)

Ni based alloy for forging and components for steam turbine plant using same

Title (de)

Ni-basierte Legierung zum Schmieden und Komponenten für Dampfturbinenanlage damit

Title (fr)

Alliage à base de Ni pour forgeage et composants pour installation de turbine à vapeur l'utilisant

Publication

**EP 2354262 A1 20110810 (EN)**

Application

**EP 11152974 A 20110201**

Priority

JP 2010023693 A 20100205

Abstract (en)

It is an object of the present invention to provide an Ni based alloy for forging having high forging-related characteristics with a wide temperature range for high-temperature forging and high upper forging temperature limit. An Ni based alloy for forging, containing Cr at 12 to 20%, A1 at 3.5 to 5%, Co at 15 to 23%, W at 5 to 12%, C at 0.001 to 0.05%, and Nb, Ti and Ta at a total content of 0.5 to 1.0%, all percentages by mass, and a steam turbine plant component using the same.

IPC 8 full level

**C22C 19/05** (2006.01)

CPC (source: EP US)

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

Citation (applicant)

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Citation (search report)

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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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2354262 A1 20110810**; CN 102146537 A 20110810; CN 103276249 A 20130904; JP 2011162808 A 20110825; JP 5165008 B2 20130321; US 2011192501 A1 20110811

DOCDB simple family (application)

**EP 11152974 A 20110201**; CN 201110024681 A 20110124; CN 201310191363 A 20110124; JP 2010023693 A 20100205; US 201113019666 A 20110202