

Title (en)

RHENIUM FREE OR LOW RHENIUM NICKEL BASE SUPERALLOY

Title (de)

RHENIUM-FREIE ODER RHENIUM-REDUZIERTE NICKEL-BASIS-SUPERLEGIERUNG

Title (fr)

SUPER-ALLIAGE SANS OU À FAIBLE TENEUR EN RHÉNIUM

Publication

EP 2788518 A1 20141015 (DE)

Application

EP 12787636 A 20121017

Priority

- DE 102011120388 A 20111207
- DE 2012001009 W 20121017

Abstract (en)

[origin: WO2013083101A1] The present invention relates to a nickel-base superalloy comprising aluminium, cobalt, chromium, molybdenum, tantalum, titanium and tungsten, in addition to nickel, as alloy constituents, wherein rhenium can additionally be contained and the rhenium content is less than or equal to 2 wt.% and wherein the titanium content is greater than or equal to 1.5 wt.%. The invention further relates to components made of the nickel-base superalloy.

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP US)

C22C 19/057 (2013.01 - EP US); **F01D 5/28** (2013.01 - US); **F05D 2300/173** (2013.01 - US); **F05D 2300/174** (2013.01 - US); **F05D 2300/175** (2013.01 - US); **F05D 2300/177** (2013.01 - US)

Citation (search report)

See references of WO 2013083101A1

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

DOCDB simple family (publication)

WO 2013083101 A1 20130613; EP 2788518 A1 20141015; EP 2788518 B1 20180425; ES 2670877 T3 20180601; US 2014356183 A1 20141204; US 9850765 B2 20171226

DOCDB simple family (application)

DE 2012001009 W 20121017; EP 12787636 A 20121017; ES 12787636 T 20121017; US 201214363749 A 20121017