

Title (en)

NI-GROUP SUPERALLOY STRENGTHENED BY OXIDE-PARTICLE DISPERSION

Title (de)

DURCH OXIDPARTIKELDISPERSION VERSTÄRKTE NI-GRUPPEN-SUPERLEGIERUNG

Title (fr)

SUPERALLIAGE À BASE DE NI TYPE RENFORCÉ À DISPERSION DE PARTICULES D'OXYDE

Publication

**EP 3031939 A1 20160615 (EN)**

Application

**EP 14834221 A 20140804**

Priority

- JP 2013162525 A 20130805
- JP 2014070501 W 20140804

Abstract (en)

An oxide particle dispersion-strengthened Ni-base superalloy includes Ni, 0.1% by weight to 14.0% by weight of Ru, 0.1% by weight to 14.0% by weight of Al, and inevitable impurities and has a crystal structure containing 0.01% by weight to 3.0% by weight of dispersed oxide particles based on the total amount of the superalloy.

IPC 8 full level

**C22C 19/03** (2006.01); **C22C 19/05** (2006.01)

CPC (source: EP US)

**C22C 19/007** (2013.01 - EP US); **C22C 19/057** (2013.01 - EP US)

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 3031939 A1 20160615**; **EP 3031939 A4 20170215**; **EP 3031939 B1 20180411**; JP 2018162522 A 20181018; JP 6552137 B2 20190731; JP WO2015020007 A1 20170302; US 2016160323 A1 20160609; WO 2015020007 A1 20150212

DOCDB simple family (application)

**EP 14834221 A 20140804**; JP 2014070501 W 20140804; JP 2015530883 A 20140804; JP 2018108341 A 20180606; US 201414909799 A 20140804