

Title (en)

NICKEL-BASED SUPERALLOY WITH INCREASED OXIDATION RESISTANCE, POWDER, WELDING METHOD AND COMPONENT

Title (de)

NICKELBASIS-SUPERLEGIERUNG MIT ERHÖHTER OXIDATIONSBESTÄNDIGKEIT, PULVER, VERFAHREN ZUM SCHWEISSEN UND BAUTEIL

Title (fr)

SUPERALLIAGE À BASE DE NICKEL À RÉSISTANCE À L'OXYDATION ACCRUE, POUDRE, PROCÉDÉ DE SOUDAGE ET PIÈCE

Publication

EP 3087211 A1 20161102 (DE)

Application

EP 15705536 A 20150206

Priority

- DE 102014204408 A 20140311
- EP 2015052467 W 20150206

Abstract (en)

[origin: WO2015135702A1] As a result of the addition of hafnium, no precipitation phases occur in a nickel-based superalloy and the proportions of chromium (Cr) and aluminium (Al) lead to a slightly reduced γ' -content, thus achieving good oxidation resistance and weldability.

IPC 8 full level

C22C 19/05 (2006.01); **B22F 1/00** (2022.01)

CPC (source: EP US)

B22F 1/00 (2013.01 - EP US); **B23K 31/02** (2013.01 - US); **B23K 35/0255** (2013.01 - EP US); **B23K 35/304** (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **B22F 2301/15** (2013.01 - US)

Citation (search report)

See references of WO 2015135702A1

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)

DE 102014204408 A1 20150917; EP 3087211 A1 20161102; US 2017239759 A1 20170824; WO 2015135702 A1 20150917

DOCDB simple family (application)

DE 102014204408 A 20140311; EP 15705536 A 20150206; EP 2015052467 W 20150206; US 201515121617 A 20150206