

Title (en)
Tantalum-containing nickel base superalloy

Title (de)
Nickelsuperlegierung mit Tantal

Title (fr)
Une superalliage avec tantale

Publication
EP 0924309 A3 19990908 (EN)

Application
EP 98309980 A 19981204

Priority
US 99190097 A 19971217

Abstract (en)
[origin: EP0924309A2] A tantalum-containing nickel base superalloy strengthened by gamma precipitates has greatly improved temperature capability, with a fatigue cracking resistance substantially independent of the fatigue frequency and waveform up to about 1500 DEG F. <IMAGE>

IPC 1-7
C22C 19/05

IPC 8 full level
C22C 1/04 (2006.01); **C22C 19/05** (2006.01)

CPC (source: EP)
C22C 1/0433 (2013.01); **C22C 19/056** (2013.01)

Citation (search report)
[X] US 5662749 A 19970902 - CHANG KEH-MINN [US]

Cited by
EP2103700A1; EP2256223A1; JP2010280986A; CN101899595A; CN104946933A; EP2256222A1; CN101899594A; CN115821117A; US8992700B2; US7993101B2; WO2009112380A1; US8992699B2; US9518310B2; JP2010275636A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0924309 A2 19990623; EP 0924309 A3 19990908

DOCDB simple family (application)
EP 98309980 A 19981204