

Title (en)

High-melting superalloy and method of producing the same

Title (de)

Superlegierung mit hoher Schmelztemperatur und Verfahren zu ihrer Herstellung

Title (fr)

Superaliage à température de fusion élevée et procédé pour sa fabrication

Publication

EP 1026269 B1 20041201 (EN)

Application

EP 00300755 A 20000201

Priority

JP 2554099 A 19990202

Abstract (en)

[origin: EP1026269A1] A high-melting superalloy made of iridium or rhodium or both thereof as a base and containing at least nickel together with at least one a metal selected from the metal group consisting of titanium, zirconium, hafnium, vanadium, niobium, and tantalum, wherein at least both phases of an fcc phase and an L12 phase are formed in the texture, and an amount of the L12 phase from 20 to 80% by volume. <IMAGE>

IPC 1-7

C22C 19/03; **C22C 5/04**

IPC 8 full level

C22C 5/04 (2006.01); **C22C 19/03** (2006.01)

CPC (source: EP US)

C22C 5/04 (2013.01 - EP US); **C22C 19/03** (2013.01 - EP US)

Cited by

EP1983067A4; CN113249608A; US2013216846A1; CN114107722A; EP3124630A4; US10094012B2

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DOCDB simple family (publication)

EP 1026269 A1 20000809; **EP 1026269 B1 20041201**; DE 60016292 D1 20050105; DE 60016292 T2 20051201; US 2003136478 A1 20030724; US 2004211492 A1 20041028; ZA 200000456 B 20010404

DOCDB simple family (application)

EP 00300755 A 20000201; DE 60016292 T 20000201; US 49627100 A 20000201; US 72884503 A 20031208; ZA 200000456 A 20000202