

Title (en)

Superalloy powder

Title (de)

Superlegierungspulver

Title (fr)

Poudre de superalliage

Publication

EP 1728586 A3 20070404 (FR)

Application

EP 06114507 A 20060524

Priority

FR 0505299 A 20050526

Abstract (en)

[origin: EP1728586A2] A nickel (Ni) or cobalt (Co) based superalloy powder is enriched with at least one melting element, boron (B), so that each grain of powder includes this element distributed among the other elements of the superalloy. The proportion of B in the superalloy is between 0.4 and 1.3 wt.%.

IPC 8 full level

B23P 6/02 (2006.01); **B22F 1/00** (2006.01); **B23K 35/12** (2006.01); **C22C 1/04** (2006.01)

CPC (source: EP US)

B22F 3/225 (2013.01 - EP US); **C22C 1/0433** (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **C22C 19/057** (2013.01 - EP US); **C22C 19/058** (2013.01 - EP US); **C22C 19/07** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US)

Citation (search report)

- [A] US 4008844 A 19770222 - DUVALL DAVID S, et al
- [A] US 4140528 A 19790220 - HEBEISEN JOHN C, et al
- [A] US 2002157737 A1 20021031 - CHESNES RICHARD PATRICK [US], et al
- [A] GB 933406 A 19630808 - DELORO STELLITE LTD
- [A] US 4129444 A 19781212 - DREYER DENNIS G, et al

Cited by

CN107779674A; RU2679503C2; EP2182084A1; US2011274579A1; RU2505616C2; WO2010052049A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1728586 A2 20061206; **EP 1728586 A3 20070404**; **EP 1728586 B1 20080723**; BR PI0601917 A 20070213; CA 2548610 A1 20061126; DE 602006001897 D1 20080904; DE 602006015298 D1 20100819; EP 1878533 A2 20080116; EP 1878533 A3 20080416; EP 1878533 B1 20100707; FR 2886182 A1 20061201; FR 2886182 B1 20090130; JP 2006328535 A 20061207; US 2007051199 A1 20070308

DOCDB simple family (application)

EP 06114507 A 20060524; BR PI0601917 A 20060524; CA 2548610 A 20060524; DE 602006001897 T 20060524; DE 602006015298 T 20060524; EP 07117338 A 20060524; FR 0505299 A 20050526; JP 2006144881 A 20060525; US 43914906 A 20060524