

Title (en)

Ni-base superalloy

Title (de)

Superlegierung auf Nickelbasis

Title (fr)

Superaliage à base de nickel

Publication

EP 1035225 A1 20000913 (EN)

Application

EP 00104667 A 20000303

Priority

JP 5605999 A 19990303

Abstract (en)

A low thermal expansion Ni-base superalloy contains, by weight % (hereinafter the same as long as not particularly defined), C: 0.15 % or less; Si: 1 % or less; Mn: 1 % or less; Cr: 5 to 20 %; at least one of Mo, W and Re of Mo + 1/2 (W + Re) of 10 to 25 %; Al: 0.2 to 2 %; Ti: 0.5 to 4.5 %; Fe of 10 % or less; at least one of B: 0.02 % and Zr: 0.2 % or less; a remainder of Ni and inevitable impurities; wherein the atomic % of Al + Ti is 2.5 to 7.0.

IPC 1-7

C22C 19/05

IPC 8 full level

C22C 19/05 (2006.01); **B01J 23/00** (2006.01)

CPC (source: EP US)

C22C 19/055 (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US); **C22C 19/057** (2013.01 - EP US); **C22F 1/10** (2013.01 - EP US)

Citation (search report)

- [XD] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10 31 October 1997 (1997-10-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 345 (C - 386) 20 November 1986 (1986-11-20)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05 31 May 1996 (1996-05-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 143 (C - 492) 30 April 1988 (1988-04-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 236 (C - 0720) 18 May 1990 (1990-05-18)

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EP1867740A1; EP1591548A1; CN101748314A; EP2418295A1; US8083874B2; US8491838B2

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