

Title (en)
Ni-based super alloy

Title (de)
Superlegierung auf Nickelbasis

Title (fr)
Superaliage à base de Ni

Publication
EP 1837411 A1 20070926 (EN)

Application
EP 07005969 A 20070322

Priority
JP 2006079447 A 20060322

Abstract (en)
The present invention provides a Ni-based super alloy including, by mass %, C: 0.01 to 0.15%; Si: 1% or less; Mn: 1% or less; P: 0.02% or less; S: 0.01% or less; Co: less than 0.10%; Cr: 16 to 22 %; Mo: 4 to 10%; W: 5% or less; Al: 1.2 to 2.5%; Ti: 2.4 to 4%; B: 0.001 to 0.05%; Zr: 0.01 to 0.5%; Fe: 1% or less; and a balance of Ni and inevitable impurities.

IPC 8 full level
C22C 19/05 (2006.01)

CPC (source: EP US)
C22C 19/055 (2013.01 - EP US); **C22C 19/056** (2013.01 - EP US)

Citation (search report)

- [X] EP 1338663 A1 20030827 - SUMITOMO METAL IND [JP]
- [X] EP 1340825 A2 20030903 - DAIDO STEEL CO LTD [JP]
- [PX] EP 1696108 A1 20060830 - DAIDO STEEL CO LTD [JP], et al
- [A] US 2002195175 A1 20021226 - ISHIDA KIYOHITO [JP], et al
- [A] EP 0889207 A1 19990107 - DAIDO STEEL CO LTD [JP]
- [A] US 4871512 A 19891003 - TAKAGI YOSHIKI [JP], et al

Cited by
CN105089708A; WO2021019240A1

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