

Title (en)

Nickel based alloy for high temperature technology

Title (de)

Nickelbasislegierung für die Hochtemperaturtechnik

Title (fr)

Alliage à base de nickel pour des utilisations à haute température

Publication

EP 1188845 B1 20050810 (DE)

Application

EP 01890180 A 20010608

Priority

AT 15622000 A 20000914

Abstract (en)

[origin: EP1188845A1] Nickel-based alloy contains (in wt.%): 0.0015-0.60 carbon, 0.20-0.90 nitrogen, 22.0-32.0 chromium, 5.0-20.0 group 4, 5, or 6 elements except chromium, 0.03-3.0 aluminum, 0.4-3.0 silicon, up to 0.15 group 3 elements except actinides, up to 0.60 manganese, 14.8 iron, up to 0.01 boron, maximum 0.014 phosphorus, maximum 0.004 sulfur and minimum 51 nickel and/or chromium and unavoidable impurities.

IPC 1-7

C22C 19/05

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP US)

C22C 19/053 (2013.01 - EP US); **C22C 19/055** (2013.01 - EP US)

Cited by

CN113555068A; US11193186B2; WO2019020145A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 1188845 A1 20020320; **EP 1188845 B1 20050810**; AT 408665 B 20020225; AT A15622000 A 20010615; AT E301730 T1 20050815; CA 2355446 A1 20020314; CA 2355446 C 20111122; DE 50107021 D1 20050915; US 2002057984 A1 20020516; US 6797232 B2 20040928

DOCDB simple family (application)

EP 01890180 A 20010608; AT 01890180 T 20010608; AT 15622000 A 20000914; CA 2355446 A 20010817; DE 50107021 T 20010608; US 88006801 A 20010614