

Title (en)
Castable nickel base alloy.

Title (de)
Giessbare Nickel Legierung.

Title (fr)
Alliage de coulée à base de nickel.

Publication
EP 0068628 A2 19830105 (EN)

Application
EP 82302624 A 19820521

Priority
US 27074581 A 19810612

Abstract (en)
A castable nickel base alloy is hot corrosion and oxidation resistant and has high temperature strength, including stress rupture strength at 760 DEG C (1400 DEG F) and 982 DEG C (1800 DEG F). The alloy contains, by weight: from 12 to 22% chromium, from 3 to 12% of at least one of up to 5% molybdenum, up to 10% tungsten and up to 2% vanadium, up to 6% tantalum, up to 2% columbium, from 2 to 6% aluminium, from 1 to 6% titanium, up to 5% cobalt, up to 2% iron, from 0.015 to 0.15% carbon, from 0.03 to 0.3% boron, up to 0.1% zirconium and balance nickel.

IPC 1-7
C22C 19/05

IPC 8 full level
C22C 19/05 (2006.01)

CPC (source: EP)
C22C 19/055 (2013.01)

Cited by
EP2985356A1

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DOCDB simple family (publication)
EP 0068628 A2 19830105; EP 0068628 A3 19830202; BR 8203019 A 19830510; IL 65677 A0 19820831; JP S57210942 A 19821224

DOCDB simple family (application)
EP 82302624 A 19820521; BR 8203019 A 19820525; IL 6567782 A 19820504; JP 9994382 A 19820610