

Title (en)  
CASTABLE NICKEL BASE ALLOY

Publication  
**EP 0068628 A3 19830202 (EN)**

Application  
**EP 82302624 A 19820521**

Priority  
US 27074581 A 19810612

Abstract (en)  
[origin: EP0068628A2] 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)

Citation (search report)

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- [A] FR 2145308 A5 19730216 - INT NICKEL LTD
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Designated contracting state (EPC)  
CH DE FR GB IT LI SE

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**EP 82302624 A 19820521**; BR 8203019 A 19820525; IL 6567782 A 19820504; JP 9994382 A 19820610