

Title (en)
Nickel-cobalt base alloys.

Title (de)
Legierungen auf Nickel-Kobalt-Basis.

Title (fr)
Alliages à base de nickel-cobalt.

Publication
EP 0365716 A1 19900502 (EN)

Application
EP 88202205 A 19881004

Priority
US 63898584 A 19840808

Abstract (en)
A work hardened nickel-cobalt alloy having high strength and ductility at temperatures of about 1300 DEG F is provided consisting essentially by weight of about 0.05% max carbon, about 20%-40% cobalt, about 6%-11% molybdenum, about 15%-23% chromium, about 1.0% max iron, about 0.0005%-0.020% boron, about 0%-4% titanium, about 0%-2% columbium and the balance nickel, the alloy having been cold worked at a temperature below the HCP-FCC phase transformation zone to a reduction in cross-section between 5% and 50%.

IPC 1-7
C22C 19/05; **C22C 30/00**

IPC 8 full level
C22C 19/05 (2006.01); **C22C 19/07** (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP)
C22C 19/055 (2013.01); **C22C 19/056** (2013.01); **C22C 19/07** (2013.01); **C22F 1/10** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

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EP 0365716 A1 19900502; JP H02145738 A 19900605; SE 465037 B 19910715; SE 8803555 A 19900407; SE 8803555 D0 19881006

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EP 88202205 A 19881004; JP 29716188 A 19881124; SE 8803555 A 19881006