

Title (en)
HARDENABLE NICKEL ALLOY.

Title (de)
AUSHÄRTBARE NICKELLEGIERUNG.

Title (fr)
ALLIAGE AU NICKEL DURCISSABLE PAR PRECIPITATION.

Publication
EP 0410979 B1 19940302 (DE)

Application
EP 89903692 A 19890323

Priority
DE 3810336 A 19880326

Abstract (en)
[origin: WO8909292A1] A hardenable nickel alloy has a yield strength of at least 500 N/mm² and a high corrosion resistance in very aggressive acid gas media. The alloy consists of 43 to 51 % nickel, 19 to 24 % chromium, 4.5 to 7.5 % molybdenum, 0.4 to 2.5 % copper, 0.3 to 1.8 % aluminium and 0.9 to 2.2 % titanium, the remainder being iron. Also described are processes for heat-treatment of the alloy which ensure high strength together with good ductility.

IPC 1-7
C22C 19/05; **C22F 1/10**

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

CPC (source: EP US)
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WO 8909292 A1 19891005; CA 1334344 C 19950214; DE 3810336 A1 19891005; DE 58907125 D1 19940407; EP 0410979 A1 19910206; EP 0410979 B1 19940302; US 5429690 A 19950704

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