

Title (en)
CORROSION RESISTANT HIGH STRENGTH NICKEL-BASED ALLOY

Publication
EP 0066361 B1 19860226 (EN)

Application
EP 82301929 A 19820414

Priority
US 25515881 A 19810417

Abstract (en)
[origin: EP0066361A2] A nickel-based alloy which has high strength and which is resistant to hydrogen embrittlement and chloride stress corrosion cracking is provided. The alloy contains 15-22% chromium, 10-28% iron, 6-9% molybdenum, 2.5 to 5% niobium, 1-2% titanium and up to 1% aluminium. Wrought products made from the alloy are useful in deep oil or gas wells for example for petroleum production tubing, and in sulphur dioxide gas scrubbers.

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

IPC 8 full level
C22C 19/05 (2006.01); **C22C 30/00** (2006.01); **C22F 1/10** (2006.01)

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

Cited by
CN107541618A; US5556594A; EP0247577A1; EP0424277A1; FR2653451A1; FR2820197A1; EP1227292A3; EP0262673A3; AU609738B2; CN103597105A; RU2607682C2; AU2016200033B2; US9624567B2; US10502252B2; US6782943B2; US10337093B2; US10422027B2; WO2012166295A3; US11111552B2; US9765420B2; US10144999B2; US10053758B2; US10435775B2; US10513755B2; EP0091279B1; US10094003B2; US10253382B2; US10619226B2; US10808298B2; US11319616B2; US9616480B2; US9869003B2; US10287655B2; US10570469B2; US9777361B2; US10370751B2; EP2734655B1

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EP 82301929 A 19820414; AT 82301929 T 19820414; CA 399590 A 19820329; DE 3269304 T 19820414; ES 511490 A 19820416; JP 6378382 A 19820416