

Title (en)

NICKEL-FREE AUSTENITIC COBALT-BASED ALLOY

Title (de)

NICKELFREIE, AUSTENITISCHE KOBALTBASISLEGIERUNG

Title (fr)

ALLIAGE A BASE DE COBALT AUSTENITIQUE EXEMPT DE NICKEL

Publication

EP 0963453 A1 19991215 (DE)

Application

EP 98909320 A 19980203

Priority

- DE 9800296 W 19980203
- DE 19704530 A 19970206

Abstract (en)

[origin: DE19704530A1] Disclosed is a nickel-free austenitic cobalt-based alloy, exhibiting corrosion resistance and good malleability. The inventive alloy consists of 10-18% chrome, 4-6 % (titanium and/or niobium), 0-3 % manganese, 0-3 % aluminium, 0-2 % copper 4-8 % (molybdenum + 1/2 tungsten), 5-20 % iron, 0-1 % silicon, 0-0.1 % (carbon + nitrogen), residual cobalt and production-related impurities. The inventive alloy also exhibits excellent cold forming properties and can be hardened by tempering.

IPC 1-7

C22C 19/07

IPC 8 full level

C22C 19/07 (2006.01)

CPC (source: EP)

C22C 19/07 (2013.01)

Citation (search report)

See references of WO 9835067A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

DE 19704530 A1 19980813; DE 19704530 C2 19990225; EP 0963453 A1 19991215; JP 2001512529 A 20010821; WO 9835067 A1 19980813

DOCDB simple family (application)

DE 19704530 A 19970206; DE 9800296 W 19980203; EP 98909320 A 19980203; JP 53355298 A 19980203