

Title (en)

Heat resistant, hot-workable, austenitic nickel alloy.

Title (de)

Hitzebeständige, warmverformbare austenitische Nickel-Legierung.

Title (fr)

Alliage de nickel austénitique pour travail à chaud présentant une haute résistance à températures élevées.

Publication

EP 0531775 B1 19951018 (DE)

Application

EP 92114279 A 19920821

Priority

DE 4130139 A 19910911

Abstract (en)

[origin: US5603891A] The invention relates to a heat resistant hot formable austenitic nickel alloy consisting of (in % by weight) - carbon 0.05 to 0.15 - silicon 2.5 to 3.0 - manganese 0.2 to 0.5 - phosphorus max 0.015 - sulphur max 0.005 - chromium 25 to 30 - iron 20 to 27 - aluminium 0.05 to 0.15 - calcium 0.001 to 0.005 - rare earths 0.05 to 0.15 - nitrogen 0.05 to 0.20 - residue nickel and the usual impurities due to melting.

IPC 1-7

C22C 19/05; **C22C 30/00**

IPC 8 full level

C22C 19/05 (2006.01); **C22C 30/00** (2006.01)

CPC (source: EP KR US)

C22C 19/05 (2013.01 - KR); **C22C 19/058** (2013.01 - EP US)

Cited by

US5851318A; EP1207001A1; DE102007029400B4; EP1364740A4; EP0690140A1; KR100803684B1; DE102007029400A1; US6696017B2; US7179540B2; DE102007005605A1; WO9527087A1; WO2009000230A1; WO2005031018A1; US8926769B2; EP2426226A2; US9260770B2; US10683569B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 5603891 A 19970218; AT E129292 T1 19951115; AU 2139292 A 19930318; AU 647661 B2 19940324; BR 9203513 A 19940301; CA 2077021 A1 19930312; CA 2077021 C 20020806; DE 4130139 C1 19920806; DE 59204057 D1 19951123; EP 0531775 A1 19930317; EP 0531775 B1 19951018; ES 2081007 T3 19960216; JP H05320795 A 19931203; KR 0181182 B1 19990218; KR 930006171 A 19930420; ZA 926458 B 19930304

DOCDB simple family (application)

US 47786295 A 19950607; AT 92114279 T 19920821; AU 2139292 A 19920831; BR 9203513 A 19920910; CA 2077021 A 19920827; DE 4130139 A 19910911; DE 59204057 T 19920821; EP 92114279 A 19920821; ES 92114279 T 19920821; JP 26821192 A 19920910; KR 920016597 A 19920909; ZA 926458 A 19920826