

Title (en)
Austenitic nickel alloy.

Title (de)
Austenitische Nickel-Legierung.

Title (fr)
Alliage de nickel austénitique.

Publication
EP 0558915 B1 19950927 (DE)

Application
EP 93101162 A 19930127

Priority
DE 4203328 A 19920206

Abstract (en)
[origin: US5417918A] The invention relates to an austenitic nickel-chromium-molybdenum alloy having high resistance to general corrosion, crevice, pitting and stress crack corrosion and also intercrystalline corrosion, consisting of (in % by weight): carbon: up to 0.01% silicon: up to 0.05% manganese: up to 0.50% phosphorus: up to 0.020% sulphur: up to 0.010% chromium: 14.0 to 18.0% molybdenum: 14.0 to 18.0% cobalt: up to 2.0% tungsten: up to 0.5% calcium 0.001 to 0.010% magnesium: 0.001 to 0.020% aluminium: 0.05 to 0.30% nitrogen: up to 0.02% iron: up to 3.0% copper: up to 0.5% titanium: up to 0.01% residue nickel and usual impurities due to melting, the sum of the contents (carbon+silicon+titanium) being limited to 0.05% at the most, and the sum of the elements (calcium+magnesium+aluminium) being adjusted within the limits 0.055 to 0.33%.

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C22C 19/05

IPC 8 full level
C22C 19/05 (2006.01)

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C22C 19/05 (2013.01 - KR); **C22C 19/056** (2013.01 - EP US)

Cited by
EP0723029A1; WO9855661A1

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AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

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US 5417918 A 19950523; AT E128492 T1 19951015; BR 9300503 A 19930928; CA 2087995 A1 19930807; DE 4203328 C1 19930107; DE 59300640 D1 19951102; DK 0558915 T3 19951227; EP 0558915 A2 19930908; EP 0558915 A3 19940112; EP 0558915 B1 19950927; ES 2081644 T3 19960316; FI 103286 B1 19990531; FI 103286 B 19990531; FI 930492 A0 19930204; FI 930492 A 19930807; JP H05271832 A 19931019; KR 100193388 B1 19990615; KR 930018042 A 19930921; MX 9300537 A 19940729

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US 1252793 A 19930202; AT 93101162 T 19930127; BR 9300503 A 19930205; CA 2087995 A 19930125; DE 4203328 A 19920206; DE 59300640 T 19930127; DK 93101162 T 19930127; EP 93101162 A 19930127; ES 93101162 T 19930127; FI 930492 A 19930204; JP 1436193 A 19930201; KR 930001338 A 19930201; MX 9300537 A 19930201