

Title (en)
Use of a chromium-containing alloy.

Title (de)
Verwendung einer chromhaltigen Legierung.

Title (fr)
Mise en oeuvre d'un aliage contenant du chrome.

Publication
EP 0317864 A1 19890531 (DE)

Application
EP 88118958 A 19881114

Priority
DE 3739903 A 19871125

Abstract (en)
Alloys containing 35.5-69% by weight of iron, 21-35% by weight of chromium, 10-25% by weight of nickel and 0.4.5% by weight of molybdenum as well as the customary accompanying elements, such as carbon, silicon, manganese, phosphorus, sulphur, copper, cobalt, aluminium, vanadium, titanium, tantalum and/or niobium can be used as materials for articles which are resistant to nitric acid up to a concentration of about 75% in the temperature range from the melting point of the nitric acid to 150$^{\circ}$C.

Abstract (de)
Legierungen mit den Massenanteilen 35,5-69 % Eisen, 21 -35 % Chrom, 10 -25 % Nickel und 0 - 4,5 % Molybdän, sowie den üblichen Begleitelementen, wie Kohlenstoff, Silicium, Mangan, Phosphor, Schwefel, Kupfer, Kobalt, Aluminium, Vanadin, Titan, Tantal und/oder Niob, können als Werkstoffe für Gegenstände, die gegen Salpetersäure bis zu einer Konzentration von etwa 75 % im Temperaturbereich vom Schmelzpunkt der Salpetersäure bis zu 150° C beständig sind, verwendet werden.

IPC 1-7
C22C 30/00; **C22C 38/40**; **C22C 38/44**

IPC 8 full level
C22C 30/00 (2006.01); **C22C 38/40** (2006.01); **C22C 38/44** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP)
C22C 30/00 (2013.01); **C22C 38/40** (2013.01); **C22C 38/44** (2013.01); **C22C 38/58** (2013.01)

Citation (search report)

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