

Title (en)

Corrosion resistant alloy and method for making corrosion resistant cutting tools

Title (de)

Korrosionsbeständige Legierung und Verfahren zur Herstellung korrosionsbeständiger Schneidwaren

Title (fr)

Alliage résistant à la corrosion et procédé de production de coutelleries

Publication

**EP 0694622 B1 20011004 (DE)**

Application

**EP 95890122 A 19950628**

Priority

AT 128394 A 19940629

Abstract (en)

[origin: EP0694622A1] Corrosion-resistant alloy having a hardness of more than 54 HRC consists of (in wt.%): 0.40-0.85 C, up to 1.0 Si, up to 1.4Mn, 16.0-19.0 G, 0.8-1.5 Mo, 0.05-0.2 V, up to 0.18 Ti, 0.12-0.29 N, with the proviso that Ni max is 0.25, Co max. is 0.20, Cu max is 0.25, and Ni + Co + Cu, max is 0.48. The sum of the concn. of C and N is 0.61-0.95. Also claimed is the mfr. of a corrosion-resistant cutting tool.

IPC 1-7

**C21D 9/18**; **C22C 38/22**

IPC 8 full level

**C21D 6/00** (2006.01); **C21D 9/18** (2006.01); **C22C 38/00** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C21D 1/18** (2006.01); **C21D 1/78** (2006.01); **C21D 6/04** (2006.01)

CPC (source: EP)

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Cited by

US6770243B2; ES2130065A1; EP0710731A3; GB2374605A; GB2374605B; CZ297208B6; WO2011023326A1; WO0153555A1; WO2012113569A1

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DOCDB simple family (publication)

**EP 0694622 A1 19960131**; **EP 0694622 B1 20011004**; AT 401387 B 19960826; AT A128394 A 19960115; AT E206477 T1 20011015; DE 59509656 D1 20011108; DK 0694622 T3 20020121; ES 2164142 T3 20020216; FI 111273 B 20030630; FI 953218 A0 19950629; FI 953218 A 19951230; NO 309045 B1 20001204; NO 952557 D0 19950626; NO 952557 L 19960102

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