

Title (en)
Cutting tool

Title (de)
Schneidwerkzeug

Title (fr)
Outil de coupe

Publication
EP 1693138 B1 20070829 (DE)

Application
EP 06450021 A 20060215

Priority
AT 2862005 A 20050221

Abstract (en)
[origin: EP1693138A1] Cutting tool comprises an iron alloy containing (wt.%): carbon (0.7-0.9), silicon (less than 0.8), manganese (0.35-0.45), sulfur (less than 0.005), chromium (7.5-8.5), molybdenum (1.4-1.8), nickel (less than 0.4), vanadium (0.5-0.7), tungsten (less than 0.3) and aluminum (0.003-1.0). The heat-treated alloy has a total carbide content of more than 3 vol.%, of which at least 0.35 vol.% is monocarbide, and the matrix consists of martensite.

IPC 8 full level
B23D 79/00 (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP)
C21D 1/22 (2013.01); **C21D 1/25** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/22** (2013.01); **C22C 38/24** (2013.01); **C22C 38/44** (2013.01); **C22C 38/46** (2013.01); **C23C 30/005** (2013.01); **C21D 2211/008** (2013.01)

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