

Title (en)
Non-ledeburitic high speed steels.

Title (de)
Nicht-ledeburitische Schnellschnittstähle.

Title (fr)
Aciers rapides non lédéburitiques.

Publication
EP 0264528 A1 19880427 (EN)

Application
EP 87105124 A 19870407

Priority
PL 26139986 A 19860915

Abstract (en)
This invention relates to non-ledeburitic high-speed steels containing tungsten and/or molybdenum as main alloying components, especially containing by weight 6.0 to 7.0 % of tungsten, or 5.0 to 6.0 % of molybdenum, or totally 1.0 to 6.0 % of tungsten and molybdenum and, moreover, 1.2 to 2.3 % of carbon, 4.0 to 7.0 % of chromium, 1.0 to 1.3 % of vanadium, up to 1.5 % of manganese, up to 4.0 % of nickel, 0.2 up to 0.5 % of zirconium, 0.4 up to 1.5 % of silicon, up to 0.03 % of sulphur, up to 0.03 per cent of phosphorus and having a total content of titanium and niobium from 1.5 up to 6.0 % and properly a balanced carbon content according to the following formula: $0.5 + 0.2 [\% \text{ Ti} + \% \text{ Nb} + \% \text{ Zr} + (\% \text{ V} - 1)] < \% \text{ C} < 0.65 + 0.26 [\% \text{ Ti} + \% \text{ Nb} + \% \text{ Zr} + (\% \text{ V} - 1)]$.

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IPC 8 full level
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C22C 38/26 (2013.01); **C22C 38/28** (2013.01); **C22C 38/36** (2013.01)

Citation (search report)
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