

Title (en)
TOOL STEEL HAVING HIGH TOUGHNESS, METHOD FOR PRODUCING PARTS MADE OF SAID STEEL, AND PARTS THUS OBTAINED

Title (de)
WERKZEUGSTAHL VON HOHER ZÄHIGKEIT, VERFAHREN ZUM HERSTELLEN VON TEILEN AUS DIESEM STAHL UND SO HERGESTELLTE TEILE

Title (fr)
ACIER A OUTILS A TENACITE RENFORCEE, PROCEDE DE FABRICATION DE PIECES DANS CET ACIER ET PIECES OBTENUES

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Abstract (en)
[origin: WO02083966A1] The invention relates to a tool steel, whereby the composition thereof comprises the following expressed in wt. %: 0.8 <= C <= 1.5; 5.0 <= Cr <= 14; 0.2 <= Mn <= 3; Ni <= 5; V <= 1; Nb <= 0.1; Si+Al <= 2; Cu <= 1; S <= 0.3; Ca <= 0.1; Se <= 0.1; Te <= 0.1; 1.0 <= Mo+W/2 <= 4; 0.06 <= Ti+Zr/2 <= 0.15; 0.004 <= N <= 0.02. The rest of the composition is comprised of iron and impurities resulting from the production process, including 2.5.10<-4> %<2> <= (Ti + Zr/2) x N. The invention also relates to a method for producing parts made of said steel and parts thus obtained.

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