

Title (en)

Cold work tool steel with high compression strength and use of these steels.

Title (de)

Kaltarbeitsstahl mit hoher Druckfestigkeit und Verwendung dieses Stahles.

Title (fr)

Acier à outils pour le façonnage à froid, à haute résistance à la compression et application de ces aciers.

Publication

**EP 0425471 B1 19941214 (DE)**

Application

**EP 90890280 A 19901012**

Priority

AT 242389 A 19891023

Abstract (en)

[origin: US5160553A] The invention concerns a cold-worked steel of high compressive strength for tools and parts simultaneously subjected to several stresses. The steel of the invention evinces a composition in % by weight of C: 0.6 to 1.5 Si: 0.2 to 1.6 Mn: 0.2 to 1.2 Cr: 5.0 to 10.0 Mo: up to 3.0 W: up to 6.0 (Mo+2W): 1.0 to 3.0 V: 0.3 to 1.5 Al: 0.2 to 1.6 Nb: up to 0.5 N: up to 0.1 the remainder being iron and process-entailed contaminations, and it is especially provided for tools and parts comprising an anti-wear layer made at higher temperature.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

**C22C 38/22** (2013.01 - EP KR US); **C22C 38/24** (2013.01 - EP KR US)

Citation (examination)

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