

Title (en)

A METHOD FOR PRODUCING HIGH SPEED STEEL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES SCHNELLDREHSTAHL

Title (fr)

PROCÉDÉ DE PRODUCTION D'ACIER À COUPE RAPIDE

Publication

**EP 2758558 A1 20140730 (EN)**

Application

**EP 12759474 A 20120919**

Priority

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- EP 2012068428 W 20120919
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Abstract (en)

[origin: EP2570507A1] A method for producing a high speed steel that with reference to its chemical composition consists of the following elements: 1-3 wt-% carbon (C), 3-6 wt-% chromium (Cr), 0-7 wt-% molybdenum (Mo), 0-15 wt-% tungsten (W), 3-14 wt-% vanadium (V), 0-10 wt-% cobalt (Co), 0-3 wt-% niobium (Nb), 0-0.5 wt-% nitrogen (N), 0.2-1 wt-% yttrium (Y), and remainder iron (Fe) and unavoidable impurities, and wherein Mo +0.5W = 2-10 weight%, characterised in that the method comprises the steps of: providing a powder comprising the elements of said high speed steel, forming a body of said powder, and subjecting said body to elevated heat and pressure such that a consolidation of the powder thereof is achieved.

IPC 8 full level

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Citation (search report)

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