

Title (en)

HARD METAL IN PARTICULAR FOR CUTTING STONE, CONCRETE AND ASPHALT

Title (de)

HARTMETALL FUER INSBESONDERE GESTEIN-, BETON- UND ASPHALTSCHNEIDEN

Title (fr)

METAL DUR PERMETTANT DE TAILLER LA ROCHE, LE BETON ET L'ASPHALTE

Publication

EP 1520056 B1 20080130 (DE)

Application

EP 03763783 A 20030710

Priority

- DE 10231303 A 20020710
- DE 10248898 A 20021018
- DE 10258537 A 20021214
- EP 0307462 W 20030710

Abstract (en)

[origin: US2006093859A1] A hard metal of WC for tools for mechanical working of stone, concrete, and asphalt contains 5 to 25% by weight of a binder based on Co or Co and Ni. The hard metal has a coercive field strength up to 17.0 kA/m, and the binder contains up to 30% of Fe. The hard metal has a magnetic saturation (sigma or 4pisigma, in units of microtesla times cubic meter per kilogram, respectively) as a function of the Co proportion (X) in % by weight of the hard metal in a range of sigma=0.11 X to sigma=0.137 X or 4pisigma=0.44 pi X to 4pisigma=0.548 pi X.

IPC 8 full level

C22C 29/08 (2006.01); **C22C 26/00** (2006.01)

CPC (source: EP US)

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Designated extension state (EPC)

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