

Title (en)

HARD METAL OR CERMET CUTTING MATERIAL AND THE USE THEREOF

Title (de)

HARTMETALL- ODER CERMET-SCHNEIDWERKSTOFF SOWIE DESSEN VERWENDUNG

Title (fr)

MATERIAU TRANCHANT A BASE DE METAUX DURS OU DE CERMETS ET UTILISATION DUDIT MATERIAU

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Application

EP 03722231 A 20030321

Priority

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Abstract (en)

[origin: WO03083149A1] The invention relates to a hard metal or cermet cutting material for cutting chromium-alloy steel parts. Said cutting material comprises a hard phase containing carbides, nitrides and/or carbonitrides and a binder phase based on iron, cobalt and nickel. The aim of the invention is to prevent an agglomeration of the cutting material during cutting operations. For this purpose, the binder phase contains 10 % by weight to 75 % by weight of Co, 10 % by weight to 75 % by weight of Ni, 5 % by weight to 30 % by weight of Cr, > 20 % by weight to 60 % by weight of Fe, the total of Co, Ni, Cr and Fe not exceeding 100 % by weight.

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C22C 29/00

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Citation (search report)

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Cited by

DE102007047312A1; EP2527480A1; WO2012163804A1; US9821372B2; US11207730B2

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