

Title (en)

COATED CEMENTED CARBIDE INSERT FOR METAL CUTTING APPLICATIONS

Title (de)

BESCHICHTETE SINTERKARBIDEINSÄTZE FÜR DIE VERWENDUNG BEIM METALLSCHNEIDEN

Title (fr)

INSERT EN CARBURE FRITTE REVETU POUR APPLICATIONS DE COUPE DE METAL

Publication

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Application

EP 95942809 A 19951215

Priority

- SE 9501516 W 19951215
- SE 9404587 A 19941230

Abstract (en)

[origin: WO9621052A1] The present invention relates to coated inserts for metal cutting applications containing at least one hard constituent of a carbide, nitride and/or carbonitride of the metals Ti, Ta, Hf, Nb, V, Zr and W or solid solutions thereof, in 3-20 weight-%, preferably 4-14 weight-%, binder phase. By using a binder phase comprising in solid solution: Co max 95 %, Ni max 95 % and Cr 3-25 % improved properties are obtained particularly in machining operations of intermittent character. Coatings comprising carbides and/or carbonitrides and/or oxycarbides and/or oxinitrides and/or oxycarbonitrides of titanium and/or Al₂O₃ are particularly useful.

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IPC 8 full level

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Citation (examination)

WO 8002569 A1 19801127 - SANDVIK AB [SE], et al

Cited by

US6612787B1; US6554548B1; US6866921B2; US6575671B1

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