

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

**EP 0792390 A1 19970903 (EN)**

Application

**EP 95942809 A 19951215**

Priority

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- 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 Al<sub>2</sub>O<sub>3</sub> are particularly useful.

IPC 1-7

**C23C 30/00**; C04B 41/87; B23B 27/14

IPC 8 full level

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