

Title (en)
Cemented carbide insert

Title (de)
Sinterkarbideinsatz

Title (fr)
Plaquette de carbure frittée

Publication
EP 1043416 A3 20020814 (EN)

Application
EP 00106692 A 20000329

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SE 9901243 A 19990408

Abstract (en)
[origin: EP1043416A2] The present invention relates to a cutting tool insert for machining of steel comprising a cemented carbide body and a coating. The cemented carbide body comprises WC, 5-12 wt-% Co and 3-11 wt-% of cubic carbides of metals Ta, Ti and W. The amount of Nb is below 0.1 wt-% and the ratio Ta/Ti is 1,0-4,0. The Co-binder phase is highly alloyed with W with a CW-ratio of 0,75-0,95 and, finally, the cemented carbide body has a binder phase enriched and essentially gamma phase free surface zone of a thickness of 5-50 μ m. <IMAGE>

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IPC 8 full level
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Citation (search report)

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