

Title (en)  
Cemented carbide insert

Title (de)  
Sinterkarbideinsatz

Title (fr)  
Plaquette de carbure frittée

Publication  
**EP 1043416 B1 20040915 (EN)**

Application  
**EP 00106692 A 20000329**

Priority  
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 mu m. <IMAGE>

IPC 1-7  
**C22C 29/08**; **C22C 30/00**

IPC 8 full level  
**B23B 27/14** (2006.01); **B22F 3/10** (2006.01); **B22F 3/24** (2006.01); **B23P 15/28** (2006.01); **C22C 1/05** (2006.01); **C22C 29/08** (2006.01); **C23C 16/36** (2006.01); **C23C 16/40** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP US)  
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