

Title (en)  
TOOL COATING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
WERKZEUGBESCHICHTUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
REVETEMENT D'OUTIL ET SON PROCEDE DE PRODUCTION

Publication  
**EP 1080248 A1 20010307 (DE)**

Application  
**EP 99923473 A 19990427**

Priority

- DE 19818782 A 19980427
- EP 9902853 W 19990427

Abstract (en)  
[origin: DE19818782A1] High speed steel, hard metal and cermet tools, having an yttrium- and/or scandium-containing hard metal coating which has been heat treated, are new. High speed steel, hard metal and cermet tools have a coating of TiAlN, TiAlYN, TiAlCrYN, TiAlScN, TiAlCrScN, TiAlYScN or TiAlCrYScN which contains 0.01-10 at.% Y and/or Sc and which has been heat treated at 700-1100 deg C for 0.5-10 hr. An Independent claim is also included for a method of heat treating the above coated tools.

IPC 1-7  
**C23C 30/00**; **C23C 14/58**

IPC 8 full level  
**C23C 14/58** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP)  
**C23C 14/58** (2013.01); **C23C 14/5806** (2013.01); **C23C 30/005** (2013.01)

Citation (search report)  
See references of WO 9955936A1

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