

Title (en)  
METHOD OF COATING A CEMENTED CARBIDE OR CERMET SUBSTRATE BODY AND COATED CEMENTED CARBIDE OR CERMET BODY

Title (de)  
VERFAHREN ZUR BESCHICHTUNG EINES HARTMETALL- ODER CERMETSUBSTRATKÖRPERS UND BESCHICHTETER HARTMETALL- ODER CERMETKÖRPER

Title (fr)  
PROCÉDÉ DE REVÊTEMENT D'UN CORPS DE SUBSTRAT EN MÉTAL DUR OU EN CERMET ET CORPS REVÊTU EN MÉTAL DUR OU EN CERMET

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Application  
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Abstract (en)  
[origin: WO2007082498A1] The invention relates to a method of coating a cemented carbide or cermet substrate body by means of PVD, in which the fully sintered substrate body is subjected without further intermediate treatment before PVD coating to a blasting treatment using a particulate blasting agent until the zone close to the surface of the substrate body has a residual stress which is at least essentially of the same magnitude as the residual stress present in the single or first applied PVD layer. The invention further relates to such a coated cemented carbide or cermet body, in particular in the form of a cutting tool.

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See references of WO 2007082498A1

Citation (examination)  
TÖNSHOFF H K ET AL: "Einfluß der Substratbearbeitung auf die Verschleißfestigkeit von beschichteten Hartmetallwerkzeugen", GFT: TRIBOLOGIETAGUNG: REIBUNG SCHMIERUNG VERSCHLEISS., 30.09.-1.10.1997, GÖTTINGEN [DE], 40, 30 September 1997 (1997-09-30) - 1 October 1997 (1997-10-01), pages 40/1 - 40/9

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