

Title (en)

METHOD FOR PRODUCING A COATED SUBSTRATE BODY, SUBSTRATE BODY COMPRISING A COATING AND USE OF THE COATED SUBSTRATE BODY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BESCHICHTETEN SUBSTRATKÖRPERS, SUBSTRATKÖRPER MIT EINER BESCHICHTUNG UND VERWENDUNG DES BESCHICHTETEN SUBSTRATKÖRPERS

Title (fr)

PROCEDE POUR REALISER UN CORPS DE SUBSTRAT REVETU, CORPS DE SUBSTRAT PRESENTANT UN REVETEMENT, ET UTILISATION DU CORPS DE SUBSTRAT REVETU

Publication

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Application

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Abstract (en)

[origin: WO2007045209A1] The invention relates to a method for producing a coated substrate body by chemical vapour deposition at least on one layer made of a carbonitride of a metal of IVa-VIa-groups of the periodic table, wherein a monocyclic hydrocarbon is used in the gas atmosphere during the deposition, in addition to a nitrile. According to the invention, the thus produced coated substrate body has a high degree of hardness and is used, preferably, in cutting operations where the cutting speeds are = 250 m/min.

IPC 8 full level

C23C 16/36 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2007045209A1

Citation (examination)

US 2002086147 A1 20020704 - HIRAKAWA YOSHIO [JP], et al

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