

Title (en)
METHOD OF PRODUCING A SINTERED CARBONITRIDE ALLOY FOR INTERMITTENT MACHINING OF MATERIALS DIFFICULT TO MACHINE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER GESINTERTEN KARBONITRIDLEGIERUNG ZUR INTERMITTIERENDEN BEARBEITUNG SCHWER BEARBEITBARER MATERIALIEN

Title (fr)
PROCEDE DE PRODUCTION D'UN ALLIAGE DE CARBONITRURE FRITTE POUR USINAGE INTERMITTENT DE MATERIAUX DIFFICILES A USINER

Publication
EP 0563203 B1 19970409 (EN)

Application
EP 92901893 A 19911219

Priority
• SE 9100888 W 19911219
• SE 9004119 A 19901221

Abstract (en)
[origin: WO9211396A1] According to the invention there now is provided a method of producing a sintered titanium based carbonitride alloy with 3-25 weight-% binder phase with extremely good properties at intermittent machining of materials difficult to machine. The method relates to the use of a raw material comprising a complex cubic carbonitride containing the main part of the metals from groups IV and V of the periodic system and carbon and nitrogen to be found in the finished alloy whereby said alloy has the composition $0.86 \leq \text{XIV} \leq 0.97$, $0.44 \leq \text{XC} \leq 0.55$, where XIV is the molar ratio of the group IV elements of the alloy and XC is the molar ratio of carbon.

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Cited by
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