Title (en)

A METHOD FOR MANUFACTURING A WEAR RESISTANT COMPONENT COMPRISING MECHANICALLY INTERLOCKED CEMENTED CARBIDE BODIES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VERSCHLEISSFESTEN KOMPONENTE MIT MECHANISCH GEKOPPELTEN SINTERKARBIDKÖRPERN

Title (fr)

PROCÉDÉ DE FABRICATION D'UN COMPOSANT RÉSISTANT À L'USURE COMPRENANT UN CORPS EN CARBURE CÉMENTÉ MÉCANIQUEMENT VERROUILLÉ

Publication

EP 3016767 A2 20160511 (EN)

Application

EP 14734502 A 20140703

Priority

• EP 13175106 A 20130704
• EP 2014064153 W 20140703
• EP 14734502 A 20140703

Abstract (en)

[origin: EP2821166A1] A method for manufacturing a wear resistant component (100) comprising the steps: - providing a metallic base material (1) and a wear resistant cemented carbide body (2) which comprises an anchoring portion (4), which is adopted to be retained mechanically by the metallic base material ; - arranging the wear resistant cemented carbide body (2) such that the anchoring portion (4) at least partially is enclosed by the metallic base material (1); - subjecting the metallic base material (1) and the least one wear resistant cemented carbide body (2) to HIP; wherein the method comprises the step of arranging a layer (5) comprising (Al 2 O 3) or (hBN) between the anchoring portion (4) the metallic base material (1).

IPC 8 full level

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CPC (source: EP US)

B22F 7/064 (2013.01 - EP US); B22F 7/08 (2013.01 - EP US); C22C 29/06 (2013.01 - EP US); C22C 2204/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2015001006A2

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Designated extension state (EPC)

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