

Title (en)

SURFACE COATED MOTOR COMPONENT AND PROCESS FOR PRODUCING IT

Title (de)

OBERFLÄCHENBESCHICHTE MOTORKOMPONENTE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

PIECE DE MOTEUR A SURFACE ENDUITE ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0188219A1] An engine component made of a metal matrix material (MMC), wherein at least one of the tolerance-critical surfaces of the engine component is coated with a metallic layer that is easier to work by machining than the metal matrix material itself. For example, the interior hollow surfaces of a connecting rod are thus coated with bronze or a corresponding tribologically functional metal. The invention also provides a method for coating the component with the metallic layer, and in particular a method wherein the component is pre-machined from a raw billet of MMC by means of high-speed machining, HSM.

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