

Title (en)  
THERMAL SPRAYING OF A MACHINE PART

Title (de)  
THERMISCHES SPRITZEN EINES MASCHINENTEILS

Title (fr)  
PULVERISATION THERMIQUE D'UNE PARTIE D'UNE MACHINE

Publication  
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Application  
**EP 02712931 A 20020228**

Priority  
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Abstract (en)  
[origin: WO03072844A1] The invention discloses a machine part surface (22), coated at least partly with a coating material by a thermal spray process. Said coating material has been exposed to heat treatment at an elevated temperature and for a time effective to at least partially diffuse said coating material into underlying surface thereby creating necks between the coating material and the underlying surface. Additionally coating material layers (24) are applied and subject to successive heat treatments of each said coating material layer in order to provide on said machine part surface (22) a plurality of layers (24) of same said coating material (so that the coating material forms necks (23) in contact points between particles (21) and layers in at least said coating. A method for making such coating on a machine part surface is also disclosed.

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