

Title (en)

METHOD FOR IMPROVING THE EROSION RESISTANCE OF ENGINE COMPONENTS

Title (de)

VERFAHREN ZUR VERBESSERUNG DES EROSIONSWIDERSTANDES VON MOTORBAUTEILEN

Title (fr)

PROCEDE D'AMELIORATION DE LA RESISTANCE A L'EROSION DE COMPOSANTS DE MOTEUR

Publication

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Application

**EP 95926168 A 19950703**

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Abstract (en)

[origin: WO9601288A2] The present invention relates to a coating system for engine components which exhibits improved erosion resistance and a method for forming the coating system on the engine components. The coating system is formed by a fluororelastomeric material which is co-cured or bonded with the organic matrix material forming the engine component. The coating system is applied to the engine component by overlaying a thin sheet of the fluoroelastomeric material in a cured or uncured state over a preform of the engine component, placing the preform and the fluoroelastomeric material in a molding device, and heating the engine component preform and the fluoroelastomeric material to a temperature at or above about 340 DEG F to effect co-curing and/or bonding.

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