

Title (en)  
Method for removing a layer

Title (de)  
Verfahren zur Entfernung einer Schicht

Title (fr)  
Procédé pour éliminer une couche

Publication  
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Application  
**EP 07010914 A 20050117**

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Abstract (en)  
The removal of corrosion products (10) such as metallic- or ceramic layer from a component (1) such as gas- or steam turbine or a rotor- or guide blade or a combustion chamber lining, comprises applying a foil material on the corrosion products to damage the products before a fluorine ion cleaning or an acid treatment. When applying the foil material, a larger contact surface through a molten salt is produced, so that a removal rate in the cleaning or the acid treatment of the products is greater than without the damaging of the corrosion products. The removal of corrosion products (10) such as metallic- or ceramic layer from a component (1) such as gas- or steam turbine or a rotor- or guide blade or a combustion chamber lining, comprises applying a foil material on the corrosion products to damage the products before a fluorine ion cleaning or an acid treatment. When applying the foil material, a larger contact surface through a molten salt is produced, so that a removal rate in the cleaning or the acid treatment of the products is greater than without the damaging of the corrosion products. Riffs (7) that damage the products are generated in the products. Delaminations are produced between the products and an upper surface, on which the products are arranged. The material that is present on the products is heated by microwaves and a laser and the component is further reprocessed. The corrosion products are present on a metallic substrate (4).

Abstract (de)  
Bauteile mit Korrosionsprodukten werden oft wieder verwendet, wobei das Korrosionsprodukt (10) entfernt werden muss. Dies dauert nach dem Stand der Technik sehr lange, da die Reaktionszeiten mit dem Korrosionsprodukt oft sehr lang sind. Erfindungsgemäß wird das Korrosionsprodukt vorbehandelt, um eine größere Angriffsfläche zu erzeugen, so dass die Entfernung des Korrosionsprodukts (10) schneller erfolgen kann.

IPC 8 full level  
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