

Title (en)

Process for removing corrosion products from metallic parts

Title (de)

Verfahren zur Entfernung von Schichtbereichen eines Bauteils aus Metall

Title (fr)

Procédé pour enlever des produits de corrosion d'un composant métallique

Publication

EP 1298230 A1 20030402 (DE)

Application

EP 01123593 A 20011001

Priority

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Abstract (en)

Process for removing corrosion products of a partially corroded component made from a metal and/or metal compound comprises: <??>(a) applying a multiple component cleaning agent to the corroded component; <??>(b) heat treating the component with the cleaning agent so that an impregnating component and an activating component of the agent form a gaseous compound; <??>(c) forming a sacrificial zone partially in the abrasive-resistant regions of the corroded component; and <??>(d) removing the sacrificial zone to remove almost all corrosion products. <??>Preferably the cleaning agent partially adheres to the component. The sacrificial zone is partially formed by regions of the component which contain the impregnating component. The temperature during heat treatment of the component lies below the lowest melting point of the impregnating component. The activating component is a halogen compound. The cleaning agent further contains aluminum oxide as a carrier material.

Abstract (de)

Nach dem Stand der Technik werden Korrosionsprodukte eines Bauteils in einem ersten Arbeitsschritt durch Aufbringen einer Schmelze oder Erwärmen in einem voluminösen Pulverbett entfernt. Dies bedingt hohe Temperaturen oder einen hohen Platzverbrauch. Das erfindungsgemäße Verfahren zur Entfernung von Korrosionsprodukten eines Bauteils (1) besteht darin, ein Reinigungsmittel (10) lokal aufzutragen, das über ein gasförmiges Reaktionsprodukt zur Entfernung von Korrosionsprodukten führt. <IMAGE> <IMAGE> <IMAGE> <IMAGE>

IPC 1-7

C23G 5/00; **C23C 10/60**; **C23F 4/00**; **F01D 5/00**; **C23C 10/04**; **B23P 6/00**

IPC 8 full level

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CPC (source: EP US)

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