

Title (en)
METHOD FOR REMOVING AT LEAST ONE AREA OF A LAYER OF A COMPONENT CONSISTING OF METAL OR A METAL COMPOUND

Title (de)
VERFAHREN ZUR ENTFERNUNG VON ZUMINDEST EINEM SCHICHTBEREICH EINES BAUTEILS AUS METALL ODER EINER METALLVERBINDUNG

Title (fr)
PROCEDE POUR ENLEVER AU MOINS UNE ZONE DE COUCHE D'UN COMPOSANT EN METAL OU EN ALLIAGE METALLIQUE

Publication
EP 1432847 A1 20040630 (DE)

Application
EP 02730264 A 20020517

Priority
• EP 02730264 A 20020517
• EP 0205490 W 20020517
• EP 01123593 A 20011001

Abstract (en)
[origin: EP1298230A1] 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.

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
B23P 6/00 (2006.01); **C23C 10/04** (2006.01); **C23C 10/30** (2006.01); **C23C 10/60** (2006.01); **C23F 1/00** (2006.01); **C23F 4/00** (2006.01); **C23G 5/00** (2006.01); **F01D 5/00** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)
C23C 10/30 (2013.01 - EP US); **C23G 5/00** (2013.01 - EP US); **F01D 5/005** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F05B 2230/90** (2013.01 - US); **F05D 2230/90** (2013.01 - EP)

Citation (search report)
See references of WO 03029521A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 1298230 A1 20030402; CN 1328413 C 20070725; CN 1549874 A 20041124; DE 50202441 D1 20050414; EP 1432847 A1 20040630; EP 1432847 B1 20050309; EP 1432847 B8 20050629; JP 2005504179 A 20050210; US 2004244817 A1 20041209; US 2007023392 A1 20070201; US 7138065 B2 20061121; US 7429337 B2 20080930; WO 03029521 A1 20030410

DOCDB simple family (application)
EP 01123593 A 20011001; CN 02817055 A 20020517; DE 50202441 T 20020517; EP 0205490 W 20020517; EP 02730264 A 20020517; JP 2003532728 A 20020517; US 49056704 A 20040319; US 54125306 A 20060929