

Title (en)

METHOD FOR REMOVING A COATING FROM A COMPONENT

Title (de)

VERFAHREN ZUM ABTRAGEN EINER BESCHICHTUNG VON EINEM BAUTEIL

Title (fr)

PROCEDE POUR ENLEVER UN REVETEMENT APPLIQUE SUR UNE PIECE

Publication

EP 1761660 A1 20070314 (DE)

Application

EP 05770315 A 20050613

Priority

- DE 2005001090 W 20050613
- EP 04015424 A 20040630
- DE 102004053135 A 20041029
- EP 05770315 A 20050613

Abstract (en)

[origin: WO2006002610A1] The invention relates to a method for removing coatings which are applied to components, such as turbine blades. When the turbine blades have reached the end of the product life cycle, said coatings can be removed so that the turbine blades can be re-used after the application of a new coating. According to the invention, the removal of the coating containing, in particular, chrome oxide compounds, is carried out by means of a removal bath, wherein an inhibitor in the form of alkanolamine compounds or salts containing said compounds (for example triethanolamine) are added. Said compounds prevent, in an advantageous manner, the formation of novel chrome oxide compounds during the removal of the coating on the turbine blades and/or enable the effective removal the chrome oxide compounds in the coating, such that the chrome oxide compounds do not have a negative influence on the removal rate of the coating removal method. It is also possible to reduce, in an advantageous manner, the treatment times of the removal process. 2 % of triethanolamine (TEA), which reduces the treatment time in the hydrochloric acid, for example, to less than an hour, is added

IPC 8 full level

B08B 3/12 (2006.01); **C23G 1/02** (2006.01); **C23G 1/06** (2006.01); **C23G 1/20** (2006.01); **C25F 1/02** (2006.01); **C25F 5/00** (2006.01); **C25F 7/00** (2006.01)

CPC (source: EP US)

B08B 3/08 (2013.01 - EP US); **B08B 3/12** (2013.01 - EP US); **C23F 1/26** (2013.01 - EP US); **C23F 1/44** (2013.01 - EP US); **C23G 1/106** (2013.01 - EP US); **C25F 5/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2006002610A1

Citation (examination)

EP 1600527 A1 20051130 - GEN ELECTRIC [US]

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 2006002610 A1 20060112; EP 1761660 A1 20070314; US 2008277288 A1 20081113

DOCDB simple family (application)

DE 2005001090 W 20050613; EP 05770315 A 20050613; US 63013705 A 20050613