

Title (en)  
Process for application of a protective coating

Title (de)  
Verfahren zum Aufbringen einer Schutzschicht

Title (fr)  
Procédé pour le dépôt d'un revêtement protecteur

Publication  
**EP 1637622 A1 20060322 (DE)**

Application  
**EP 05018871 A 20050831**

Priority  
DE 102004045049 A 20040915

Abstract (en)  
The method involves applying a undercoating (3) of MCrAlY base on a base metal layer (1). Undercoating is applied with an alarmed heat insulation layer (2) made of zirconium oxide, where the heat insulation layer is partly stabilized by yttrium oxide. A diffusion layer (4) is subjected to an abrasive treatment, so that an outer structure layer (4.2) of the diffusion layer is removed by the abrasive treatment.

IPC 8 full level  
**C23C 4/08** (2006.01); **C23C 28/02** (2006.01)

CPC (source: EP US)  
**C23C 10/02** (2013.01 - EP US); **C23C 10/60** (2013.01 - EP US); **C23C 28/3215** (2013.01 - EP US); **C23C 28/322** (2013.01 - EP US);  
**C23C 28/3455** (2013.01 - EP US); **C23C 28/36** (2013.01 - EP US)

Citation (applicant)  
• WO 9634129 A1 19961031 - SIEMENS AG [DE], et al  
• WO 9634130 A1 19961031 - SIEMENS AG [DE], et al

Citation (search report)  
• [X] WO 9634130 A1 19961031 - SIEMENS AG [DE], et al  
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US 2006177582 A1 20060810; US 7736704 B2 20100615

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