

Title (en)  
HIGH-TEMPERATURE PROTECTIVE COATING

Publication  
**EP 0134821 B1 19870715 (DE)**

Application  
**EP 83107217 A 19830722**

Priority  
EP 83107217 A 19830722

Abstract (en)  
[origin: US4546052A] A high-temperature protective layer on which a metal oxide-containing top layer forms under operating conditions. The high-temperature protective layer consists of an alloy which has an M-Cr-Al base material with which at least one metal of sub-group 4 or one transition metal of sub-group 5 of the periodic table and a metal-like material are alloyed. M represents a metallic element of sub-group 8 of the periodic table. This can be nickel, nickel/cobalt, cobalt or iron. The base material of the alloy contains silicon and zirconium or silicon and tantalum as additives.

IPC 1-7  
**C23C 4/00**; **C22C 30/00**; **C22C 19/05**

IPC 8 full level  
**C22C 19/05** (2006.01); **C23C 4/073** (2016.01); **C23C 30/00** (2006.01)

CPC (source: EP US)  
**C23C 4/073** (2016.01 - EP US); **C23C 30/00** (2013.01 - EP US); **Y10T 428/12937** (2015.01 - EP US); **Y10T 428/12944** (2015.01 - EP US)

Cited by  
GB2126348A; DE3225499A1; GB2125970A; EP0318803A1; EP0223083A1; EP0241807B1; EP1292721A2

Designated contracting state (EPC)  
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