

Title (en)
Protective coating tailored to a component

Title (de)
Bauteilangepasste Schutzschicht

Title (fr)
Couche de protection adaptée au composant

Publication
EP 2695964 B1 20200506 (DE)

Application
EP 12179980 A 20120810

Priority
EP 12179980 A 20120810

Abstract (en)
[origin: EP2695964A1] Producing a protective layer for protecting a component against high temperatures and aggressive media, comprises forming a surface layer comprising aluminum and chromium on a surface of the component to be provided with the protective layer by (i) chromizing and (ii) alitizing. The chromizing and/or the alitizing in different regions of the component surface to be protected are carried out simultaneously but differently to obtain the protective layer having different regions.

IPC 8 full level
C23C 10/02 (2006.01); **C23C 10/32** (2006.01); **C23C 10/38** (2006.01); **C23C 10/40** (2006.01); **C23C 10/48** (2006.01); **C23C 10/50** (2006.01); **C23C 10/52** (2006.01); **C23C 10/54** (2006.01); **C23C 10/56** (2006.01); **C23C 10/60** (2006.01)

CPC (source: EP US)
B05D 7/00 (2013.01 - US); **C23C 10/02** (2013.01 - EP US); **C23C 10/32** (2013.01 - EP US); **C23C 10/38** (2013.01 - EP US); **C23C 10/40** (2013.01 - EP US); **C23C 10/48** (2013.01 - EP US); **C23C 10/50** (2013.01 - EP US); **C23C 10/52** (2013.01 - EP US); **C23C 10/54** (2013.01 - EP US); **C23C 10/56** (2013.01 - EP US); **C23C 10/60** (2013.01 - EP US); **Y10T 428/24917** (2015.01 - EP US)

Cited by
DE102017213553A1; DE102018213395A1; CN107607577A; EP3438414A1; US10914181B2

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