

Title (en)

Method for altering the surface properties of components

Title (de)

Verfahren zur Änderung der Oberflächeneigenschaften von Bauteilen

Title (fr)

Procédé destiné à la modification des propriétés de surface de composants

Publication

**EP 2728035 B1 20200701 (DE)**

Application

**EP 12190803 A 20121031**

Priority

EP 12190803 A 20121031

Abstract (en)

[origin: EP2728035A1] The method involves coating the surface (2) of component (1) with a layer of material with specific composition such that the component melts at lower temperature than the component material, or forming with the component material such that the component has lower melting temperature than the component material. The coated component is subjected to heat treatment, so that the component is held between the coating and the component diffusion processes. The layer material is provided with melting point depressant element component material. An independent claim is included for a component.

IPC 8 full level

**C23C 26/02** (2006.01); **C23C 10/02** (2006.01); **C23C 10/06** (2006.01); **C23C 10/08** (2006.01); **C23C 10/14** (2006.01); **C23C 10/16** (2006.01); **C23C 10/18** (2006.01); **C23C 10/20** (2006.01); **C23C 10/22** (2006.01); **C23C 10/26** (2006.01); **C23C 10/60** (2006.01)

CPC (source: EP)

**C23C 10/02** (2013.01); **C23C 10/06** (2013.01); **C23C 10/08** (2013.01); **C23C 10/14** (2013.01); **C23C 10/16** (2013.01); **C23C 10/18** (2013.01); **C23C 10/20** (2013.01); **C23C 10/22** (2013.01); **C23C 10/26** (2013.01); **C23C 10/60** (2013.01); **C23C 26/02** (2013.01)

Citation (examination)

- EP 0861919 A2 19980902 - SERMATECH INT INC [US]
- EP 1930477 A1 20080611 - GEN ELECTRIC [US]

Cited by

CN104630697A; CN104630695A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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