

Title (en)

COATED COMPONENT AND METHOD OF PREPARING A COATED COMPONENT

Title (de)

BESCHICHTETES BAUTEIL UND VERFAHREN ZUR HERSTELLUNG EINES BESCHICHTETEN BAUTEILS

Title (fr)

COMPOSANT REVÊTU ET PROCÉDÉ DE PRÉPARATION D'UN COMPOSANT REVÊTU

Publication

**EP 3470543 A1 20190417 (EN)**

Application

**EP 18198444 A 20181003**

Priority

IN 201741036271 A 20171012

Abstract (en)

A coated component and a method of preparing a coated component are provided. The method comprises providing a substrate; and applying a dual coating system to the substrate. The applying of the dual coating system includes applying a diffusion barrier coating; and applying a corrosion-resistant coating. The corrosion-resistant coating comprises a greater concentration of silicon and aluminum than the diffusion barrier coating, and the dual layer coating system includes an aluminide interdiffusion zone.

IPC 8 full level

**C23C 4/02** (2006.01); **C23C 4/073** (2016.01); **C23C 4/08** (2016.01); **C23C 4/18** (2006.01); **C23C 10/02** (2006.01); **C23C 10/20** (2006.01); **C23C 10/26** (2006.01); **C23C 10/60** (2006.01); **C23C 28/02** (2006.01)

CPC (source: EP)

**C23C 4/02** (2013.01); **C23C 4/073** (2016.01); **C23C 4/08** (2013.01); **C23C 4/18** (2013.01); **C23C 10/02** (2013.01); **C23C 10/20** (2013.01); **C23C 10/26** (2013.01); **C23C 10/60** (2013.01); **C23C 28/02** (2013.01); **C23C 28/021** (2013.01); **C23C 28/022** (2013.01); **C23C 28/023** (2013.01); **C23C 28/028** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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