

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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