

Title (en)

Method for coating a component

Title (de)

Verfahren zum Beschichten eines Bauteils

Title (fr)

Procédé destiné au revêtement d'un composant

Publication

EP 2743375 A1 20140618 (DE)

Application

EP 12008271 A 20121211

Priority

EP 12008271 A 20121211

Abstract (en)

The method comprises pretreating a carbon fiber-reinforced plastic component with gaseous sulfur trioxide for 10 seconds to 10 minutes, chemically depositing a metal layer as a seed in a bath, rinsing the component with water, and sand-blasting the component before the steps of pretreatment and treatment with nitric acid. The carbon fibers are embedded in a thermosetting material. The deposition step includes seeding a component in the bath metal layer. The seeding step includes treating the component with ionogenic palladium solution, and electrically energizing the bath.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Beschichten eines Bauteils mit einer Metallschicht in einem Bad, und zwar nach einer Vorbehandlung des Bauteils in gasförmigem Schwefeltrioxid; bei dem Bauteil handelt es sich um eine Kohlenstofffaserverstärktes Kunststoffbauteil.

IPC 8 full level

C23C 18/16 (2006.01); **C23C 18/20** (2006.01); **C23C 18/30** (2006.01); **C23C 18/32** (2006.01)

CPC (source: EP)

C23C 18/1653 (2013.01); **C23C 18/1851** (2013.01); **C23C 18/1855** (2013.01); **C23C 18/1893** (2013.01); **C23C 18/2006** (2013.01); **C23C 18/2013** (2013.01); **C23C 18/2086** (2013.01); **C23C 18/22** (2013.01); **C23C 18/24** (2013.01); **C23C 18/30** (2013.01); **C23C 18/32** (2013.01)

Citation (search report)

- [X] US 2010304063 A1 20101202 - MCCREA JONATHAN [CA], et al
- [X] US 4582729 A 19860415 - TSIAMIS CHRIS [US], et al
- [A] US 4039714 A 19770802 - ROUBAL JIRI, et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2743375 A1 20140618; EP 2743375 B1 20230705

DOCDB simple family (application)

EP 12008271 A 20121211