

Title (en)

METHOD OF COATING A COMPONENT

Title (de)

VERFAHREN ZUM BESCHICHTEN EINES BAUTEILS

Title (fr)

PROCÉDÉ DESTINÉ AU REVÊTEMENT D'UN COMPOSANT

Publication

EP 2743375 B1 20230705 (DE)

Application

EP 12008271 A 20121211

Priority

EP 12008271 A 20121211

Abstract (en)

[origin: EP2743375A1] 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.

IPC 8 full level

C23C 18/18 (2006.01); **C23C 18/16** (2006.01); **C23C 18/20** (2006.01); **C23C 18/22** (2006.01); **C23C 18/24** (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 (examination)

- US 2009317609 A1 20091224 - SIMMONS MARTIN [GB], et al
- EP 0643248 A1 19950315 - PETOCA LTD [JP]
- US 2007190310 A1 20070816 - YUSA ATSUSHI [JP], et al
- JP S63121669 A 19880525 - TOSHIBA CORP
- JP S6077977 A 19850502 - MITSUBISHI RAYON CO

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

DOCDB simple family (publication)

EP 2743375 A1 20140618; EP 2743375 B1 20230705

DOCDB simple family (application)

EP 12008271 A 20121211