

Title (en)
METHOD FOR PRODUCING AN ANTICORROSIVE COATING ON A METAL DISPERSION DRY FILM OR ON A SURFACE OF A M-SCALED METAL PARTICLE AND USE OF A TREATMENT SOLUTION FOR CARRYING OUT SUCH A METHOD

Title (de)
VERFAHREN ZUR ERZEUGUNG EINER KORROSIONSSCHÜTZENDEN ÜBERZUGSSCHICHT AUF EINER METALLDISPERSIONSTROCKENSCHICHT ODER AUF EINER OBERFLÄCHE EINES UM-SKALIERTEN METALLTEILCHEN UND VERWENDUNG EINER BEHANDLUNGSLÖSUNG ZUR DURCHFÜHRUNG EINES SOLCHEN VERFAHRENS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UNE COUCHE DE REVÊTEMENT DE PROTECTION ANTICORROSION SUR UNE COUCHE DE DISPERSION MÉTALLIQUE SÈCHE OU SUR UNE SURFACE D'UNE PARTICULE MÉTALLIQUE À L'ÉCHELLE DU M ET UTILISATION D'UNE SOLUTION DE TRAITEMENT POUR METTRE EN UVRE UN TEL PROCÉDÉ

Publication
EP 3044347 A1 20160720 (DE)

Application
EP 14771782 A 20140915

Priority
• DE 102013015114 A 20130913
• EP 2014002487 W 20140915

Abstract (en)
[origin: WO2015036125A1] The invention relates to a method for producing an anticorrosive coating on a metal dispersion dry film or on a surface of a μm -scaled metal particle, wherein the metal dispersion dry film or the surface of the μm -scaled metal particle is brought into contact with a treatment solution, which contains a source of chromium(III) ions and is substantially free from polymers that are obtainable by reaction of one or more alkoxysilanes of the formula $\text{R}_4\text{-xSi(OR}_1\text{)X}$, where the radicals R are the same or different from one another and respectively represent a substituted or unsubstituted hydrocarbon group with 1 to 22 hydrocarbon atoms, x is equal to 1, 2 or 3 and R1 stands for a substituted or unsubstituted hydrocarbon group with 1 to 8 hydrocarbon atoms, and one or more alkoxides of the formula $\text{Me(OR}_2\text{)n}$, where Me stands for Ti, Zr, Hf, Al, Si and n stands for the oxidation stage of Me and R2 represents a substituted or unsubstituted hydrocarbon group with 1 to 8 carbon atoms.

IPC 8 full level
C23C 18/12 (2006.01); **C04B 28/34** (2006.01); **C09D 5/08** (2006.01); **C09D 5/10** (2006.01); **C23C 22/74** (2006.01)

CPC (source: EP)
C04B 28/34 (2013.01); **C09D 5/10** (2013.01); **C09D 5/103** (2013.01); **C23C 22/17** (2013.01); **C23C 22/74** (2013.01); **C23C 22/78** (2013.01); **C23C 22/80** (2013.01); **C23C 22/83** (2013.01); **C04B 2111/00525** (2013.01); **C23C 2222/10** (2013.01); **C23C 2222/20** (2013.01)

Citation (search report)
See references of WO 2015036125A1

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)
DE 202013009813 U1 20141216; DE 102013015114 A1 20150319; EP 3044347 A1 20160720; WO 2015036125 A1 20150319

DOCDB simple family (application)
DE 202013009813 U 20130913; DE 102013015114 A 20130913; EP 14771782 A 20140915; EP 2014002487 W 20140915