

Title (en)

USE OF AN ADHESION PROMOTER OBTAINABLE AS THE REACTION PRODUCT OF A DI- OR POLYAMINE WITH , -UNSATURATED CARBOXYLIC ACID DERIVATIVES FOR METAL SURFACE TREATMENT

Title (de)

VERWENDUNG EINES HAFTVERMITTLERS ERHÄLTICH ALS REAKTIONSPRODUKT EINES DI- ODER POLYAMINS MIT , - UNGESÄTTIGTEN CARBONSÄUREDERIVATEN ZUR METALLOBERFLÄCHENBEHANDLUNG

Title (fr)

UTILISATION D'UN PROMOTEUR D'ADHÉSION POUVANT ÊTRE OBTENU SOUS FORME DE PRODUIT DE RÉACTION D'UNE DI- OU POLYAMINE AVEC DES DÉRIVÉS D'ACIDE CARBOXYLIQUE , INSATURÉS POUR LE TRAITEMENT DE SURFACE DE MÉTAUX

Publication

EP 3504357 A1 20190703 (DE)

Application

EP 17749456 A 20170808

Priority

- US 201662378465 P 20160823
- EP 2017070018 W 20170808

Abstract (en)

[origin: WO2018036806A1] The present invention relates to the use of an adhesion promoting organic compound comprising at least one tertiary amine group which in turn is bonded via a bridge-constituting divalent radical with the carbonyl carbon atom of an amide group, wherein the bridge-constituting divalent radical comprises two carbon atoms as bridge atoms, for anticorrosion pretreatment of metallic materials before painting. Aqueous compositions which generate conversion layers based on the elements Zr, Ti and/or Si are in accordance with the invention. The present invention further comprises a process for anticorrosion coating of components at least partly manufactured from metallic materials comprising a pretreatment using acidic aqueous compositions according to the invention and subsequent painting. In a further aspect the invention relates to a metallic substrate having a mixed organic/inorganic coating consisting of oxides, hydroxides and/or oxyfluorides of the elements Zr, Ti und/or Si and of the adhesion promoting organic compounds.

IPC 8 full level

C23C 22/36 (2006.01); **C23C 22/44** (2006.01); **C23C 22/50** (2006.01); **C23C 22/56** (2006.01)

CPC (source: EP KR US)

C23C 22/34 (2013.01 - EP KR US)

Citation (search report)

See references of WO 2018036806A1

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)

WO 2018036806 A1 20180301; CA 3034748 A1 20180301; CA 3034748 C 20240604; CN 109715853 A 20190503; CN 109715853 B 20210824; EP 3504357 A1 20190703; JP 2019532130 A 20191107; JP 7035021 B2 20220314; KR 102472747 B1 20221130; KR 20190040291 A 20190417; MX 2019002144 A 20190704; US 11535940 B2 20221227; US 2019177853 A1 20190613

DOCDB simple family (application)

EP 2017070018 W 20170808; CA 3034748 A 20170808; CN 201780050636 A 20170808; EP 17749456 A 20170808; JP 2019510892 A 20170808; KR 20197008095 A 20170808; MX 2019002144 A 20170808; US 201916275677 A 20190214