

Title (en)
COMPOSITIONS CONTAINING PRIMARY AROMATIC AMINES FOR THE CORROSION PROTECTION PRETREATMENT OF METALLIC COMPONENTS

Title (de)
ZUSAMMENSETZUNGEN ENTHALTEND PRIMÄRE AROMATISCHE AMINE ZUR KORROSIONSSCHÜTZENDEN VORBEHANDLUNG METALLISCHER BAUTEILE

Title (fr)
COMPOSITIONS COMPRENANT DES AMINES AROMATIQUES PRIMAIRES DESTINÉES AU PRÉTRAITEMENT DE PROTECTION ANTI-CORROSION DE COMPOSANTS MÉTALLIQUES

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Application
EP 17167333 A 20170420

Priority
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Abstract (en)
[origin: WO2018192715A1] The invention relates to a method for the corrosion-preventive pretreatment of metal parts comprising, on at least some of the surfaces thereof, a metal material predominantly consisting of one or more of the elements iron, zinc and/or aluminum; in said method, an acidic aqueous composition containing free fluoroide and primary aromatic amines is used in the presence of a compound which is dissolved in water and is a source of nitrite ions.

Abstract (de)
Die vorliegende Erfindung betrifft ein Verfahren zur korrosionsschützenden Vorbehandlung metallischer Bauteile, die zumindest teilweise Oberflächen eines metallischen Werkstoffes aufweist, der überwiegend aus einem oder mehreren der Elemente Eisen, Zink und/oder Aluminium besteht, unter Verwendung einer sauren wässrigen Zusammensetzung enthaltend freies Fluorid und primäre aromatische Amine in Gegenwart einer in Wasser gelösten Verbindung, die eine Quelle für Nitritionen darstellt.

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CPC (source: EP)
C23C 22/34 (2013.01)

Citation (applicant)
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Citation (search report)
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• [A] CATHERINE COMBELLAS ET AL: "Spontaneous Grafting of Iron Surfaces by Reduction of Aryldiazonium Salts in Acidic or Neutral Aqueous Solution. Application to the Protection of Iron against Corrosion", CHEMISTRY OF MATERIALS, vol. 17, no. 15, 1 July 2005 (2005-07-01), US, pages 3968 - 3975, XP055416126, ISSN: 0897-4756, DOI: 10.1021/cm050339q

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