

Title (en)  
USE OF WATER SOLUBLE AND AIR STABLE PHOSPHAADAMANTANES AS STABILIZER IN ELECTROLYTES FOR ELECTROLESS METAL DEPOSITION

Title (de)  
VERWENDUNG VON WASSERLÖSLICHEN UND LUFTSTABILEN PHOSPHAADAMANTANEN ALS STABILISATOR IN ELEKTROLYTEN FÜR STROMLOSE METALLABSCHIEDUNG

Title (fr)  
UTILISATION DE PHOSPHAADAMANTANES SOLUBLES DANS L'EAU ET STABLES DANS L'AIR EN TANT QU'AGENTS DE STABILISATION DANS DES ÉLECTROLYTES POUR DÉPÔT DE MÉTAL AUTO-CATALYTIQUE

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Application  
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Abstract (en)  
[origin: EP3156517A1] The present invention relates to the use of water soluble and air stable phosphaadamantanes as stabilizer in electrolytes for electroless metal deposition, an electrolyte as well as a method for the electroless deposition of metals, particularly layers of nickel, copper, cobalt, boron, silver, palladium or gold, as well as layers of alloys comprising at least one of the aforementioned metals as alloying metal. The present invention further relates to an organic stabilizer for electroless plating processes, and an electrolyte for the electroless deposition of a metal layer on a substrate, comprising a metal ion source for the metal to be deposited, a reducing agent, a complexing agent, a stabilizer and preferably an accelerator, as well as a method for the electroless deposition of a metal layer on a surface from an electrolyte according to the invention.

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