

Title (en)
Electrolyte and method for the deposition of a matt metal layer

Title (de)
Elektrolyt und Verfahren zur Ablagerung einer matten Metallschicht

Title (fr)
Electrolyte et procédé de dépôt d'une couche de métal mate

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Abstract (en)
[origin: EP2143828A1] This invention relates to an electrolyte as well as a method for the deposition of a matt metal layer on a substrate surface. In particular, the invention relates to an electrolyte which has a low concentration of the deposition metal and a method to deposit a matt metal layer by using such electrolytes. The inventive electrolyte for the deposition of a matt metal layer of a metal of the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ru, Rh, Pd, Ag, In, Sn, Sb, Te, Re, Pt, Au, Ti, Bi, or an alloy of these metals on a substrate surface, wherein the electrolyte forms an emulsion and/or dispersion by the addition of an unsubstituted polyalkylene oxide or an derivate of an substituted or unsubstituted polyalkylene oxide, or a wetting agent, wherein the wetting agent is a fluorated or perfluorated wetting agent or an polyalkylene oxide substituted quaternary ammonium compound, is characterized in that the electrolyte comprises at least one halogenide, sulphate, or sulfonate of an element of the group consisting of sodium, potassium, aluminium, magnesium, or boron.

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