

Title (en)
METHOD FOR MANUFACTURING PRODUCTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ERZEUGNISSEN

Title (fr)
PROCEDE POUR LA FABRICATION DE PRODUITS

Publication
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Application
EP 01984036 A 20010122

Priority
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Abstract (en)
[origin: WO0198562A1] The invention relates to a method for coating products e.g. workpieces (in particular consisting of valve metals or their alloys) by micro arc oxidation or electrophoresis in the presence of at least one additive that is incorporated into an alkaline solution. Said method is characterised in that a nozzle element is placed at a distance of 5-15 mm from the region of the surface of the workpiece to be treated, prior to the application of the coating. The cross-section of the nozzle is selected depending on the geometry of the workpiece to be treated. In addition, by supplying the alkaline solution through the nozzle element, an electric cathode-anode circuit is closed by the uninterrupted stream of solution that is guided in a specifically targeted manner and/or flows freely, to prevent a further cooling of the workpiece and to ensure the fusion of the coating over its entire depth. The additives used consist of powdered components or ultra-disperse powder that is necessary for the chemical composition.
[origin: WO0198562A1] The invention relates to a method for coating products e.g. workpieces (in particular consisting of valve metals or their alloys) by micro arc oxidation or electrophoresis in the presence of at least one additive that is incorporated into an alkaline solution. Said method is characterised in that a nozzle element is placed at a distance of 5-15 mm from the region of the surface of the workpiece to be treated, prior to the application of the coating. The cross-section of the nozzle is selected depending on the geometry of the workpiece to be treated. In addition, by supplying the alkaline solution through the nozzle element, an electric cathode-anode circuit is closed by the uninterrupted stream of solution that is guided in a specifically targeted manner and/or flows freely, to prevent a further cooling of the workpiece and to ensure the fusion of the coating over its entire depth. The additives used consist of powdered components or ultra-disperse powder that is necessary for the chemical composition.

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