

Title (en)

METHOD FOR PRODUCING A BONDING LAYER ON A SURFACE OF A TITANIUM WORKPIECE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER HAFTVERMITTELNDEN SCHICHT AUF EINER OBERFLÄCHE EINES TITANWERKSTOFFS

Title (fr)

PROCÉDÉ DE FORMATION D'UNE COUCHE PROMOTRICE D'ADHÉSION SUR UNE SURFACE D'UN MATÉRIAU À BASE DE TITANE

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Application

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Abstract (en)

[origin: WO2013005114A2] The invention relates to a process for producing a bonding layer on a surface (3) of a titanium material (5). The process comprises the steps: introduction of the surface (3) into an aqueous alkaline solution comprising sodium hydroxide in a concentration in the range 100 - 300 g/l, sodium tartrate in a concentration in the range 20 - 200 g/l, methylglycinediacetic acid Na3 in a concentration in the range 5 g/l - 60 g/l, pentasodium triphosphate in a concentration in the range 2 g/l - 20 g/l, and application of a voltage (13) between solution and titanium material (5) for a prescribed period of time to produce the layer by anodic oxidation of the surface (3).

IPC 8 full level

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