

Title (en)  
METHOD FOR TREATING IN CONTINUOUS THE SURFACE OF A LAMINATE MADE OF STAINLESS STEEL IN A SOLUTION BASED ON SULFURIC ACID

Title (de)  
VERFAHREN ZUR KONTINUIERLICHEN BEHANDLUNG DER OBERFLÄCHE EINES LAMINATS AUS ROSTFREIEM STAHL IN EINER LÖSUNG AUF BASIS VON SCHWEFELSÄURE

Title (fr)  
PROCÉDÉ DE TRAITEMENT EN CONTINU DE LA SURFACE D'UN STRATIFIÉ EN ACIER INOXYDABLE DANS UNE SOLUTION À BASE D'ACIDE SULFURIQUE

Publication  
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Application  
**EP 14722742 A 20140327**

Priority

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Abstract (en)  
[origin: WO2014155341A1] The present invention refers to a method for treating in continuous the surface of a laminate made of stainless steel that comprises at least the steps of: (a) making said laminate (11) pass in continuous in a tank (12) containing an aqueous electrolytic solution (SE) of sulfuric acid, said laminate (11) passing between at least two electrodes (150, 170) immersed in said electrolytic solution (SE) and arranged in a direction substantially parallel to the movement direction of the laminate (11) and having a length  $L_e$  measured along said direction, said electrodes (150, 170) facing the opposite faces of said laminate (11) and being arranged in a position facing each other, (b) subjecting said laminate (11) to an electrolytic pickling treatment by applying an alternating current having a frequency  $f$  comprised between 5 Hz and 150 Hz, said frequency  $f$  being correlated to said forward velocity  $v$  of the laminate (11) and to said length  $L_e$  of said electrodes (150, 170) by the relation  $F \geq (A \cdot v)/L_e$ , where  $A$  is a rational number greater than 1, preferably greater than 2; (c) subjecting said electrolytically pickled laminate (11) to a surface finishing and a surface passivation treatment.

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