

Title (en)

METHOD FOR THE TREATMENT OF A METAL SUBSTRATE FOR THE PREPARATION OF ELECTRODES

Title (de)

VERFAHREN ZUR BEHANDLUNG EINES METALLSUBSTRATS ZUR HERSTELLUNG VON ELEKTRODEN

Title (fr)

PROCÉDÉ DE TRAITEMENT D'UN SUBSTRAT MÉTALLIQUE POUR LA PRÉPARATION D'ÉLECTRODES

Publication

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Application

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Abstract (en)

[origin: WO2021191241A1] The present invention concerns a method for surface treatment of a metal substrate, suitable for use as electrode support in electrochemical processes, comprising the following steps: (a) immersion of said metal substrate and of at least one counter electrode in an electrolyte selected from hydrochloric acid, nitric acid, boric acid or sulfuric acid at a weight concentration of between 10-40%; (b) application of an anodic current density to said metal substrate of between 0,1 and 30 A/dm² for a time of between 0.5 and 120 minutes. The invention also concerns an electrode for gas evolution in electrochemical processes obtained from a correspondingly treated substrate.

IPC 8 full level

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