

Title (en)

TWO-STEP PROCESS FOR THE PRODUCTION OF ANODICALLY OXIDIZED FLAT MATERIALS OF ALUMINIUM, AND THEIR USE IN THE PREPARATION OF OFFSET PRINTING PLATES

Publication

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Application

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Priority

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Abstract (en)

[origin: ES8501810A1] Disclosed is a process for the production of a material in the form of a plate, a foil or a strip, from aluminum or an alloy thereof, which has been chemically, mechanically and/or electrochemically roughened. The process comprises a two-stage oxidation involving a first stage (a) which is performed in an aqueous electrolyte having from about 60 to 180 g/l of phosphoric acid, at a temperature of the electrolyte bath of about 47 DEG to 70 DEG C. and at a voltage of about 36 to 80 V and a second stage (b) which is performed in an aqueous electrolyte having from about 60 to 300 g/l of sulfuric acid, at a temperature of the electrolyte bath of about 30 DEG to 65 DEG C. and at a voltage of about 15 to 35 V. Also disclosed is an offset-printing plate, having a radiation-sensitive coating and a support material produced by the process described above.

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