

Title (en)

METHOD OF PRODUCING SUPPORT MATERIALS FOR OFFSET PRINTING PLATES

Publication

EP 0086957 B1 19860910 (DE)

Application

EP 83100462 A 19830120

Priority

DE 3206470 A 19820223

Abstract (en)

[origin: ES8400935A1] The process for manufacturing support materials for offset-printing plates is carried out in two stages. These materials are in the form of plates, foils, or strips, composed of aluminum, or an alloy thereof, which have been roughened by chemical, mechanical and/or electrochemical treatment. These two stages comprise an anodic oxidation in (a) an aqueous electrolyte based on sulfuric acid, and in (b) an aqueous electrolyte with a content of anions which contain phosphorus. An electrolyte with a content, in solution, of phosphoroxo anions, phosphorofluoro anions, and/or phosphoroxofluoro anions is employed in stage (b), and the treatment is carried out at a voltage between about 10 and 100 V, at a temperature of from about 10 DEG to 80 DEG C., and for a duration of from about 1 to 60 seconds. The electrolyte is, in particular, an oxygen acid of phosphorus, or a salt with the above-mentioned anions. Following stage (b), it is also possible to carry out an additional treatment to impart hydrophilic properties to the support material.

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CPC (source: EP US)

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EP 0086957 A1 19830831; **EP 0086957 B1 19860910**; AT E22043 T1 19860915; AU 1147483 A 19830901; AU 557950 B2 19870115; CA 1205418 A 19860603; DE 3206470 A1 19830901; DE 3365930 D1 19861016; ES 520002 A0 19831201; ES 8400935 A1 19831201; JP H0342200 B2 19910626; JP S58153698 A 19830912; US 4554057 A 19851119; ZA 83947 B 19831026

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