

Title (en)

PROCESS FOR THE AFTER TREATMENT OF ALUMINIUM OXIDE LAYERS WITH AQUEOUS SOLUTIONS CONTAINING ALKALI SILICATE, AND ITS APPLICATION DURING THE MANUFACTURE OF SUPPORTS FOR OFFSET PRINTING PLATES

Publication

**EP 0105170 A3 19860806 (DE)**

Application

**EP 83108259 A 19830822**

Priority

DE 3232485 A 19820901

Abstract (en)

[origin: US4492616A] A process is disclosed for manufacturing sheets, foils, or strips which involves chemically, mechanically, and/or electrochemically roughening and anodically oxidizing aluminum or aluminum alloy surfaces, followed by two post-treatment steps. In the first step, the metal surface is treated with an aqueous alkali metal silicate solution; thereafter, the surface is treated with an aqueous solution comprising alkaline earth metal ions. The materials produced according to this process are particularly used as supports for offset-printing plates.

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Citation (search report)

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- [A] GB 965837 A 19640806 - CHARLES CALVIN COHN, et al
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**DE 3232485 A1 19840301**; AU 1814783 A 19840308; AU 553196 B2 19860703; BR 8304765 A 19840410; CA 1225961 A 19870825; DE 3375307 D1 19880218; EP 0105170 A2 19840411; EP 0105170 A3 19860806; EP 0105170 B1 19880113; JP H0314916 B2 19910227; JP S5959897 A 19840405; US 4492616 A 19850108; ZA 836092 B 19840425

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