

Title (en)

ALUMINIUM ALLOY, A SUPPORT OF LITHOGRAPHIC PRINTING PLATE AND A LITHOGRAPHIC PRINTING PLATE USING THE SAME

Publication

EP 0096347 A3 19840425 (EN)

Application

EP 83105393 A 19830531

Priority

- JP 9207982 A 19820601
- JP 9208082 A 19820601

Abstract (en)

[origin: EP0096347A2] An aluminium alloy, a lithographic printing plate support, a lithographic printing plate and a process for producing it are disclosed. The plate support is produced by providing an aluminium alloy material which is comprised of 0.20 to 1.0% Fe, 0.005 to 0.1% of an element selected from the group consisting of Sn, In, Ga and Zn and the remainder being aluminium. The alloy may further contain 0.1 to 2% Cu and/or 0.1 to 0.6% Mg. After providing the aluminium material either or both of its surfaces are subjected to a chemical etching treatment in order to provide a uniform and dense grain structure on the surface forming primary pits in the surface having a particularly defined average size. The surface is then optionally subjected to electrochemical etching treatment in an acidic electrolytic solution in order to provide secondary pits on the surface also having a particularly defined average size. The support base may be further treated to provide in additional coating thereon or directly coated with a light-sensitive layer in order to provide a light-sensitive lithographic printing plate. By providing the particular alloy material and subjecting it to the disclosed treatment the light-sensitive layer has good adhesion with respect to the support.

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Citation (search report)

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