

Title (en)

Process for preparing a substrate for a lithographic plate.

Title (de)

Verfahren zur Herstellung eines Substrats für eine lithographische Druckplatte.

Title (fr)

Procédé de fabrication d'un substrat pour une plaque lithographique.

Publication

EP 0485958 B1 19950628 (EN)

Application

EP 91119284 A 19911112

Priority

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Abstract (en)

[origin: EP0485958A1] A process for preparing a substrate for a lithographic plate, which comprises the steps of subjecting at least one surface of an aluminum plate to a surface roughening treatment, anodizing the resulting plate to form at least 2 g/m² of an anodized layer, sealing the anodized plate with hot water or water vapor to reduce the surface area of the anodized layer by from 40 to 95 % and subjecting the sealed plate to at least one of a hydrophilizing treatment or a hydrophilic-undercoating treatment. A lithographic plate which comprises the substrate prepared by the process of the present invention has excellent strength of non-image areas, corrosion resistance of non-image areas, reproduction of highlight areas, printing durability, little dye staining of non-image areas and non-image areas having high hydrophilicity. Further, the lithographic plate produces prints having little background contamination.

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