

Title (en)
Method of making a lithographic printing plate.

Title (de)
Verfahren zur Herstellung einer lithographischen Druckplatte

Title (fr)
Procédé pour la fabrication d'une plaque d'impression lithographique

Publication
EP 1614541 A3 20060607 (EN)

Application
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• EP 05106259 A 20050708

Abstract (en)
[origin: EP1614541A2] A method for making a lithographic printing plate is disclosed which comprises the steps of : i) providing a lithographic printing plate precursor comprising an aluminum support with a grained and anodized surface having CIE 1976 color coordinates L^* sup which is not less than 70 and a^* sup and b^* sup each in the range from -4 to +4; and a coating on said support which comprises an image-recording layer comprising an infrared-sensitized photopolymerizable or photocurable composition; which together form a coated support having a CIE 1976 lightness value L^* nonexp which is not less than 50; ii) image-wise exposing the coating to infrared light, thereby inducing polymerization or curing of the composition at exposed areas; and forming a visible print-out image in the coating of which the lightness difference $\#L^*$ is at least 5, wherein $\#L^*$ is defined as L^* nonexp minus L^* exp , wherein L^* exp is the CIE 1976 lightness value of the coated support at exposed areas; iii) removing non-exposed areas of the coating with a developer. The combination of an essentially white support, an essentially colorless or only slightly colored coating and a lightness difference between non-exposed and exposed areas of at least 5 provides a print-out image with a high contrast, which enables convenient image quality control before developing the plate.

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Citation (search report)
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