

Title (en)

Method for making a processless lithographic printing plate

Title (de)

Verfahren zur Herstellung einer verarbeitungsfreien Flachdruckplatte

Title (fr)

Procédé de fabrication d'une plaque d'impression lithographique sans traitement

Publication

EP 1703321 B1 20080109 (EN)

Application

EP 05101966 A 20050314

Priority

EP 05101966 A 20050314

Abstract (en)

[origin: EP1703321A1] According to the present invention a method is disclosed for making a negative-working, heat-sensitive printing plate precursor capable of switching from a hydrophilic state into a hydrophobic state upon exposure to heat and/or infrared light, comprising the steps of (i) providing a support having a surface comprising titanium, (ii) modifying said surface by producing an oxide of titanium following the steps of (1) anodizing said support and (2) annealing said anodized support under reduced pressure. According to the present invention there is further disclosed a method for making a negative-working, heat-sensitive printing plate precursor capable of switching from a hydrophilic state into a hydrophobic state upon exposure to heat and/or infrared light, comprising the steps of (i) providing a support having a surface comprising titanium, (ii) modifying said surface by producing an oxide of titanium following the steps of (1) etching said support and (2) anodizing said etched support.

IPC 8 full level

G03F 7/004 (2006.01); **B41C 1/10** (2006.01)

CPC (source: EP)

B41C 1/1041 (2013.01)

Cited by

US9545785B2; US9586392B2; US9956756B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1703321 A1 20060920; **EP 1703321 B1 20080109**; DE 602005004259 D1 20080221; DE 602005004259 T2 20090115; EP 1887424 A1 20080213

DOCDB simple family (application)

EP 05101966 A 20050314; DE 602005004259 T 20050314; EP 07118445 A 20050314