

Title (en)

Method of making a negative-working lithographic printing plate.

Title (de)

Verfahren zur Herstellung einer negativarbeitenden lithographischen Druckplatte

Title (fr)

Procédé pour la fabrication d'une plaque d'impression lithographique de type négatif

Publication

EP 1642746 A1 20060405 (EN)

Application

EP 04104832 A 20041001

Priority

EP 04104832 A 20041001

Abstract (en)

A method for preparing a negative-working lithographic printing plate is provided which comprises the steps of (i) providing a lithographic printing plate precursor comprising (a) a grained and anodized aluminum support which has been subjected to a post-anodic treatment with a hydrophilising agent which is a polymer containing acrylic acid monomeric units, and (b) on said support a coating comprising hydrophobic thermoplastic polymer particles and an infrared light absorbing agent, (ii) exposing said coating to heat, thereby inducing coalescence of said thermoplastic polymer particles at exposed areas of said coating, and (iii) developing said precursor by applying a gum solution to said coating, thereby removing non-exposed areas of said coating from said support. According to the above method the printing plates exhibit an improved stability of the clean-out and the background stain after ageing.

IPC 8 full level

B41C 1/10 (2006.01); **B41N 3/03** (2006.01)

CPC (source: EP)

B41C 1/1025 (2013.01); **B41N 3/036** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/10** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01)

Citation (search report)

- [YD] EP 1342568 A1 20030910 - AGFA GEVAERT NV [BE]
- [Y] EP 1000768 A2 20000517 - AGFA GEVAERT NV [BE]
- [Y] US 3136636 A 19640609 - DOWDALL JOHN F, et al
- [Y] US 3298852 A 19670117 - LEE BEATTY JULIAN, et al
- [Y] EP 1366898 A2 20031203 - AGFA GEVAERT [BE]
- [A] EP 1084862 A1 20010321 - AGFA GEVAERT NV [BE]

Cited by

CN102695990A; WO2011051648A3; WO2020027071A1; WO2020027069A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1642746 A1 20060405

DOCDB simple family (application)

EP 04104832 A 20041001