

Title (en)

A method for making positive working printing plates from heat mode sensitive imaging element

Title (de)

Verfahren zur Herstellung einer positiv arbeitenden lithographischen Druckplatte unter Verwendung eines wärmeempfindlichen Materials

Title (fr)

Procédé de fabrication d'une plaque d'impression lithographique positive impliquant l'utilisation d'un produit sensible à la chaleur

Publication

EP 0914941 B1 20011212 (EN)

Application

EP 98203411 A 19981008

Priority

- EP 98203411 A 19981008
- EP 97203466 A 19971107

Abstract (en)

[origin: EP0914941A1] According to the present invention there is provided a method for making a lithographic printing plate comprising the steps of
a) exposing imagewise to IR-radiation a heat mode imaging element having on a lithographic base with a hydrophilic surface a first layer including a polymer, soluble in an aqueous alkaline solution and a top layer on the same side of the lithographic base as the first layer which top layer is unpenetrable by an alkaline developer and contains a compound capable of converting light into heat, wherein said first layer and said top layer may be one and the same layer; and b) developing said imagewise exposed heat mode imaging element with said alkaline developer whereby the exposed areas of the first and the top layer, which may be the same, are dissolved and the unexposed areas of the first layer remain undissolved characterized in that said alkaline developer has a pH of at least 12 and a surface tension of at least 30 mN/m.

IPC 1-7

B41C 1/10; **B41M 5/36**

IPC 8 full level

B41C 1/10 (2006.01); **B41M 5/36** (2006.01)

CPC (source: EP)

B41C 1/1016 (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/14** (2013.01); **B41C 2210/20** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Cited by

EP1543959A3; EP1088653A3; EP1106348A1; EP1129861A1; US7205084B2; EP1543959A2; US6490975B1; US6602648B2; US6800426B2; US6537725B2

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0914941 A1 19990512; **EP 0914941 B1 20011212**

DOCDB simple family (application)

EP 98203411 A 19981008