

Title (en)

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

Title (de)

Verfahren zur Herstellung einer positiv arbeitenden Druckplatte aus einem Wärmeempfindlichen Bildaufzeichnungsmaterial

Title (fr)

Procédé pour la fabrication d'une plaque d'impression positive à partir d'un élément pour l'enregistrement de l'image thermosensible

Publication

**EP 0908307 B1 20031126 (EN)**

Application

**EP 98203122 A 19980916**

Priority

- EP 98203122 A 19980916
- EP 97203131 A 19971008

Abstract (en)

[origin: EP0908307A2] According to the present invention there is provided a method for making lithographic printing plates including the following steps a) preparing 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 sensitive to IR-radiation and is unpenetrable for an alkaline developer containing SiO<sub>2</sub> as silicates; b) exposing imagewise said heat mode imaging element to IR-radiation; c) developing said imagewise exposed heat mode imaging element with said alkaline developer so that the exposed areas of the top layer and the underlying areas of the first layer are dissolved and the unexposed areas of the first layer remain undissolved characterized in that said top layer includes an IR-dye in an amount between 1 and 100% by weight of the total amount of said IR-sensitive top layer selected from the group consisting of indoaniline dyes, cyanine dyes, merocyanine dyes, oxonol dyes, porphine derivatives, anthraquinone dyes, merostyryl dyes, pyrylium compounds, diphenyl and triphenyl azo compounds and squarylium derivatives.

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 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Cited by

US6783836B2; EP0978376A3; US6410202B1; US6238838B1; EP1023994A1; EP1211065A3; GB2358710A; GB2358710B; US6803167B2; US7160667B2; US6492093B2; US6844141B1; US7049045B2; WO0219032A3; US6852464B2; US6472119B1; US6723490B2; US6958205B2; WO03080340A1; US7163777B2; US6830862B2; US7060415B2; US6893783B2; US6800426B2; US6593055B2; US6841330B2; US6942957B2; US7229744B2; US6887642B2; US6849372B2; US6649324B1; US6992688B2; US6858359B2; US6558787B1; US7026254B2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**EP 0908307 A2 19990414**; **EP 0908307 A3 19991229**; **EP 0908307 B1 20031126**

DOCDB simple family (application)

**EP 98203122 A 19980916**