

Title (en)

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

Title (de)

Verfahren zur Herstellung einer positiv arbeitenden Druckplatte aus wärmeempfindlichem 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

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Application

**EP 98203120 A 19980916**

Priority

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Abstract (en)

[origin: EP0908305A1] 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 silicate; 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.

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Cited by

EP0945264A1; EP1266753A3; EP1023994A1; EP1574331A3; US6723490B2; US6803167B2; US6444393B2; US6800426B2; US6593055B2; US6902860B2; US6942957B2; US7229744B2; US6852464B2; US6472119B1; US7049045B2; US7132212B2; US7060415B2; US6893783B2; US7163777B2; US6830862B2; US6887642B2; US6849372B2; US6649324B1; US6844141B1; US6936404B2; US6992688B2; US6858359B2; US6558787B1; US7026254B2

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