

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 wärmempfindlichem 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 0908306 B1 20020213 (EN)**

Application

**EP 98203121 A 19980916**

Priority

- EP 98203121 A 19980916
- EP 97203129 A 19971008

Abstract (en)

[origin: EP0908306A2] 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 consisting of a lithographic base with a hydrophilic surface and a top layer which top layer is sensitive to IR-radiation, comprises a polymer, soluble in an aqueous alkaline solution 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 are dissolved and the unexposed areas of the top layer remain undissolved characterized in that said top layer includes an IR-dye 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 2201/04** (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Cited by

EP1023994A1; EP1156371A3; GB2358710A; GB2358710B; EP0945264A1; EP3594008A1; CN112351890A; US6444393B2; WO2020011601A1; US7297465B2; US6472119B1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**EP 0908306 A2 19990414**; **EP 0908306 A3 19991229**; **EP 0908306 B1 20020213**; **EP 0908306 B3 20090805**

DOCDB simple family (application)

**EP 98203121 A 19980916**