

Title (en)

A heat sensitive imaging element and a method for producing lithographic plates therewith

Title (de)

Wärmeempfindliches Aufzeichnungselement und Verfahren zur Herstellung von Flachdruckplatten damit

Title (fr)

Élément d'enregistrement thermosensible et procédé pour la fabrication de plaques lithographiques utilisant cet élément

Publication

**EP 0881094 B1 20001018 (EN)**

Application

**EP 97201559 A 19970527**

Priority

EP 97201559 A 19970527

Abstract (en)

[origin: EP0881094A1] According to the present invention there is provided a heat-sensitive imaging element for making lithographic printing plates comprising a lithographic base having a hydrophilic surface, a hydrophobic first layer that is sensitive to heat including at least a hydrophobic polymer and a compound that is capable of converting light into heat, said layer having a decreased or increased capacity for being penetrated and/or solubilised by an aqueous developer upon exposure to actinic light, characterized in that said imaging element comprises a second layer located between the first layer and the hydrophilic surface and including a dispersed hydrophobic thermoplastic polymer latex, said second layer being soluble or dispersible in an aqueous solution.

IPC 1-7

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

IPC 8 full level

**B41C 1/10** (2006.01); **B41M 5/28** (2006.01); **B41M 5/30** (2006.01); **B41M 5/36** (2006.01); **B41M 5/382** (2006.01); **B41M 5/46** (2006.01); **B41N 1/14** (2006.01); **G03F 7/00** (2006.01)

CPC (source: EP)

**B41C 1/1025** (2013.01); **B41M 5/36** (2013.01); **B41C 1/1008** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/08** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Cited by

US6550387B1; EP1614539A1; EP1614540A1; EP1371500A1; EP1136281A1; US6680161B2; US6558787B1; US7026254B2; US7425405B2; US7354696B2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**EP 0881094 A1 19981202**; **EP 0881094 B1 20001018**; DE 69703344 D1 20001123; DE 69703344 T2 20010426; JP H10329440 A 19981215

DOCDB simple family (application)

**EP 97201559 A 19970527**; DE 69703344 T 19970527; JP 15539198 A 19980521