

Title (en)

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

Title (de)

Wärmempfindliches Aufzeichnungselement und Verfahren zur Herstellung von Flachdruckformen damit

Title (fr)

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

Publication

**EP 0881095 B1 20030122 (EN)**

Application

**EP 98201272 A 19980420**

Priority

- EP 98201272 A 19980420
- EP 97201560 A 19970527

Abstract (en)

[origin: EP0881095A1] According to the present invention there is provided a heat sensitive imaging element comprising a lithographic base with a hydrophilic surface, an image forming layer including a hydrophobic thermoplastic polymer latex and a compound capable of converting light into heat being present in said image forming layer or a layer adjacent thereto, characterized in that the image forming layer includes an alkali soluble copolymer containing acetal groups and hydroxy groups which have at least partially reacted with a compound with at least two carboxyl groups.

IPC 1-7

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

IPC 8 full level

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

CPC (source: EP)

**B41C 1/1025** (2013.01); **B41M 5/36** (2013.01); **B41M 5/366** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/24** (2013.01)

Citation (examination)

- EP 0599510 A2 19940601 - DU PONT [GB]
- D.W.A.SHARP ED.: "The Penguin Dictionary of Chemistry", 1984, PENGUIN BOOKS, GREAT BRITAIN

Cited by

EP1974911A1; AU762482B2; EP1145848A3; WO0109682A3; WO2008116734A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**EP 0881095 A1 19981202**; **EP 0881095 B1 20030122**

DOCDB simple family (application)

**EP 98201272 A 19980420**