

Title (en)

Heat sensitive imaging element and method for making a printing plate therewith

Title (de)

Wärmeempfindliches Aufzeichnungselement und Verfahren zur Herstellung einer Druckform damit

Title (fr)

Élément d'enregistrement thermosensible et méthode pour la fabrication d'un cliché pour l'imprimerie utilisant cet élément

Publication

**EP 0773112 B1 20010530 (EN)**

Application

**EP 96202950 A 19961022**

Priority

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Abstract (en)

[origin: EP0773112A1] The present invention discloses an imaging element comprising on a hydrophilic surface of a lithographic base an image forming layer comprising hydrophobic thermoplastic polymer particles dispersed in a hydrophilic binder and (ii) a compound capable of converting light to heat, said compound being comprised in said image forming layer or a layer adjacent thereto, characterised in that said image forming layer further comprises a cross-linking agent capable of cross-linking said hydrophilic binder upon heating in a ratio between 1 :100 and 200:1 by weight versus the hydrophilic binder. The present invention further provides a method for making a printing plate therewith. According to this method, the above imaging element is preferably exposed by means of a laser and is subsequently developed with plain water or an aqueous liquid.

IPC 1-7

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

IPC 8 full level

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Cited by

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