

Title (en)

A heat mode sensitive imaging element for making positive working printing plates.

Title (de)

Wärmeempfindliches Aufzeichnungselement zur Herstellung von positiv arbeitenden Flachdruckformen

Title (fr)

Élément thermosensible pour l'enregistrement de l'image pour la fabrication de plaques lithographiques positives

Publication

EP 0940266 A1 19990908 (EN)

Application

EP 99200294 A 19990202

Priority

- EP 99200294 A 19990202
- EP 98200709 A 19980306

Abstract (en)

According to the present invention there is provided a heat mode imaging element for making a lithographic printing plate having on a lithographic base with a hydrophilic surface a first layer including a polymer, soluble in an aqueous alkaline solution but not in water and less than 5 % by weight versus the polymer, soluble in the aqueous alkaline solution of a hydrophilic polymer and a top layer on the same side of the lithographic base as the first layer which top layer is IR-sensitive and unpenetrable for or insoluble in an alkaline developer wherein said first layer and said top layer may be one and the same layer; characterized in that said top layer contains a compound selected from the group consisting of a polymer in an amount from 30 mg to 500 mg/m², a triaryl methane dye and a phthalocyanine dye.

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 1/1016 (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/14** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01); **B41C 2210/266** (2013.01)

Citation (search report)

- [XY] GB 1208415 A 19701014 - AGFA GEVAERT NV [BE]
- [Y] EP 0823327 A2 19980211 - MITSUBISHI CHEM CORP [JP]
- [Y] US 5641608 A 19970624 - GRUNWALD JOHN J [IL], et al
- [XY] GB 1154568 A 19690611 - AGFA GEVAERT NV [BE]
- [Y] GB 1245924 A 19710915 - AGFA GEVAERT [BE]
- [Y] FR 1561957 A 19690404
- [Y] GB 1155035 A 19690611 - AGFA GEVAERT NV [BE]
- [Y] GB 1160221 A 19690806 - AGFA GEVAERT NV [BE]
- [A] US 5466557 A 19951114 - HALEY NEIL F [US], et al
- [A] EP 0573092 A1 19931208 - AGFA GEVAERT NV [BE]

Cited by

EP1256444A1; DE102005048193A1; EP1249341A1; US6689534B2; EP1241003A3; EP1325810A3; US6723490B2; US6803167B2; US6593055B2; US6846613B2; US6852464B2; US6844141B1; WO0196119A1; US6992688B2; US6858359B2; US6942957B2; US7229744B2; US7049045B2; USRE41579E; US7163777B2; US6830862B2; US6887642B2; US6849372B2; US7226715B2; US7060415B2; US6893783B2; US6534238B1; JP2012048203A

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0940266 A1 19990908; EP 0940266 B1 20020626

DOCDB simple family (application)

EP 99200294 A 19990202