

Title (en)

Heat sensitive material , process for making lithographic printing plates and method of printing using this material

Title (de)

Wärmeempfindliches Material, Verfahren zur Herstellung von lithographischen Druckplatten und Druckverfahren, die diese verwenden

Title (fr)

Produit sensible à la chaleur, procédé de fabrication de plaques d'impression lithographiques et procédé d'impression l'utilisant

Publication

EP 1025990 B1 20030604 (EN)

Application

EP 99200290 A 19990201

Priority

EP 99200290 A 19990201

Abstract (en)

[origin: EP1025990A1] According to the present invention there is provided a heatsensitive material for making lithographic printing plates comprising on a lithographic support a first image-forming layer comprising a hydrophilic binder, a cross-linking agent for said hydrophilic binder and dispersed hydrophobic thermoplastic polymer particles, and as top image-forming layer a heat switchable image forming layer comprising a heat switchable polymer wherein said top image-forming layer or a layer adjacent to said top image-forming layer comprises a compound capable of converting light into heat, characterized in that said heat switchable polymer is a polymer containing aryldiazosulphonate units.

IPC 1-7

B41C 1/10

IPC 8 full level

G03F 7/004 (2006.01); **B41C 1/10** (2006.01); **B41N 1/14** (2006.01); **G03F 7/00** (2006.01); **G03F 7/038** (2006.01); **G03F 7/095** (2006.01)

CPC (source: EP)

B41C 1/1025 (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/08** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01)

Cited by

EP1106347A1; EP1226936A3; US6576397B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1025990 A1 20000809; **EP 1025990 B1 20030604**; DE 69908543 D1 20030710; DE 69908543 T2 20040429; JP 2000218954 A 20000808

DOCDB simple family (application)

EP 99200290 A 19990201; DE 69908543 T 19990201; JP 2000014382 A 20000124