

Title (en)

Process for supporting the production of images on a printing plate and printing plate used in such process

Title (de)

Verfahren zum Unterstützen der Bebilderung einer Druckform und Druckform zur Verwendung in einem der Verfahren

Title (fr)

Procédé de support de fabrication d'images sur une plaque d'impression et plaque d'impression utilisée dans tel procédé

Publication

EP 0704770 B1 20000209 (DE)

Application

EP 95114848 A 19950921

Priority

DE 4434766 A 19940929

Abstract (en)

[origin: EP0704770A2] The printing plate has at least a first layer (1) of a ferroelectric material which acts as a photoconductor when illuminated by a light beam of given frequency before and/or during the polarisation, due to the photoferroelectric effect. Pref. the ferroelectric layer is illuminated with an electromagnetic beam with a frequency below the material specific boundary frequency, so that the temp. in the ferroelectric layer is raised, with transparent electrodes (2, 3) on opposite sides of the layer for simultaneous application of an electrical field with a field strength below the coercivity field strength of the layer in its non-illuminated condition.

IPC 1-7

G03G 13/056; **G03G 15/056**

IPC 8 full level

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CPC (source: EP US)

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EP 0704770 A2 19960403; **EP 0704770 A3 19970507**; **EP 0704770 B1 20000209**; CA 2157810 A1 19960330; CA 2157810 C 20000905; DE 4434766 A1 19960404; DE 59507775 D1 20000316; JP 2914899 B2 19990705; JP H08123164 A 19960517; US 5900341 A 19990504

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