

Title (en)

Heat-sensitive lithographic printing plate precursor.

Title (de)

Wärmeempfindlicher lithographischer Druckplattevorläufer

Title (fr)

Précurseur de plaque d'impression lithographique sensible à la chaleur

Publication

**EP 1543959 A2 20050622 (EN)**

Application

**EP 04101643 A 20040421**

Priority

- EP 04101643 A 20040421
- EP 03104784 A 20031218

Abstract (en)

A heat-sensitive lithographic printing plate precursor is disclosed which comprises a hydrophilic support and an oleophilic coating thereon which comprises an infrared light-to-heat converter, an alkali-soluble binder and a polymeric developer accelerator. The polymeric developer accelerator is preferably a phenolic formaldehyde resin comprising at least 70 mol% of meta-cresol as recurring unit or at least 40 mol % of monohydroxy benzene cresol as recurring unit. The PDA may also be a phenolic resin which comprises at least 5 mol% of a recurring monomeric unit having at least one phenolic hydroxyl group and at least one alkali solubilising group. The polymeric developer accelerator improves the sensitivity while maintaining a good under-exposure latitude and a good developer resistance of the printing plate.

IPC 1-7

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

IPC 8 full level

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CPC (source: EP)

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