

Title (en)

Imaging member containing heat sensitive thiosulfate polymer and methods of use

Title (de)

Ein thiosulfatpolymeres enthaltendes wärmeempfindliches Bildelement und Methoden zu seiner Benutzung

Title (fr)

Élément de formation d'images contenant un polymère de thiosulphate sensible à la chaleur et méthodes d'utilisation

Publication

**EP 0987104 B1 20030611 (EN)**

Application

**EP 99202885 A 19990906**

Priority

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- US 26046599 A 19990302

Abstract (en)

[origin: EP0987104A1] An imaging member is composed of a hydrophilic imaging layer having a hydrophilic heat-sensitive polymer containing heat-activatable thiosulfate groups, and optionally a photothermal conversion material. Upon application of energy that generates heat, such as from IR irradiation, the polymer is crosslinked and rendered more hydrophobic. The exposed imaging member can be contacted with a lithographic printing ink and a fountain solution and used for printing with or without post-imaging wet processing. This imaging member is particularly useful for direct write imaging using IR lasers or thermal printing heads.

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IPC 8 full level

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