

Title (en)

Radiation-sensitive mixture, recording material using this mixture, and method for preparing a printing plate

Title (de)

Strahlungsempfindliches Gemisch, damit hergestelltes Aufzeichnungsmaterial, und Verfahren zur Herstellung einer Druckplatte

Title (fr)

Mélange photosensible, matériau pour l'enregistrement utilisant ce mélange, et procédé pour la fabrication d'une plaque d'impression

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1359008A1] A heptamethine-cyanine dye (I) is used as the infrared-absorber in a light-sensitive mixture (II) containing a radically-polymerisable (meth)acrylate monomer and/or oligomer with at least 2 (meth)acrylate groups and at least one photo-oxidisable group, a photoinitiator, an IR-absorbing dye and a polymeric organic binder. Independent claims are also included for (1) recording material for the production of printing plates, with a substrate and a layer of (II) (2) a method for the production of printing plates from this material by exposure to an IR laser beam in the wavelength range 700-1200 nm so as to form an image, followed by development with organic solvent(s) or aqueous alkaline solution

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IPC 8 full level

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