

Title (en)

Substantially light-insensitive thermographic recording material with improved stability and image-tone

Title (de)

Im wesentlichen lichtunempfindliches thermographisches Aufzeichnungsmaterial mit erhöhter Stabilität und verbessertem Bildton

Title (fr)

Matériau d'enregistrement thermographique pratiquement insensible à la lumière ayant une meilleure stabilité et un ton de l'image amélioré

Publication

**EP 0901040 A1 19990310 (EN)**

Application

**EP 98202542 A 19980729**

Priority

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- EP 97202710 A 19970903

Abstract (en)

A substantially light-insensitive monosheet recording material comprising a support and a thermosensitive element containing a substantially light-insensitive organic silver salt, an organic reducing agent therefor in thermal working relationship therewith and a binder, characterized in that the thermosensitive element further contains an unsaturated carbocyclic or heterocyclic stabilizer compound substituted with a -SA group where A is hydrogen, a counterion to compensate the negative charge of the thiolate group or a group forming a symmetrical or an asymmetrical disulfide and the recording material is capable of producing prints with a numerical gradation value defined as the quotient of the fraction  $(2.5 - 0.1)/(E2.5 - E0.1)$  greater than 2.3, where E2.5 is the energy in Joule applied in a dot area of  $87 \mu\text{m} \times 87 \mu\text{m}$  of the imaging layer that produces an optical density value of 2.5, and E0.1 is the energy in Joule applied in a dot area of the imaging layer material that produces an optical density value of 0.1.

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IPC 8 full level

**G03C 1/498** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] US 3997346 A 19761214 - MASUDA TAKAO, et al
- [A] EP 0687572 A1 19951220 - AGFA GEVAERT NV [BE]

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