

Title (en)

Production process for a thermographic recording material with improved stability and image-tone

Title (de)

Herstellungsverfahren für ein thermographisches Aufzeichnungsmaterial mit erhöhter Stabilität und verbessertem Bildton

Title (fr)

Procédé de production d'un matériau d'enregistrement thermographique à stabilité augmentée et ton d'image amélioré

Publication

EP 0809142 B1 20050831 (EN)

Application

EP 97201443 A 19970514

Priority

- EP 97201443 A 19970514
- EP 96201376 A 19960521

Abstract (en)

[origin: EP0809142A1] A recording material comprising a support, a thermosensitive element and a protective layer therefor, the thermosensitive element comprising 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 comprises in reactive association with the substantially light-insensitive organic silver salt and the organic reducing agent a substituted, exclusive of groups having an exclusively electron withdrawing character, or unsubstituted compound with an unsaturated 5-membered heterocyclic ring annulated with an aromatic ring system, the ring consisting of nitrogen and carbon atoms with at least one of the nitrogen atoms having a hydrogen atom and none of the carbon atoms being directly linked to a sulfur atom or being part of a carbonyl-group; a production process therefor and a thermal image recording process utilizing the recording material.

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G03C 1/498

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP)

G03C 1/49854 (2013.01); **G03C 1/4989** (2013.01); **G03C 1/34** (2013.01)

Citation (examination)

- WO 9610213 A1 19960404 - MINNESOTA MINING & MFG [US]
- "Concise Science Dictionary", 1996, OXFORD UNIVERSITY PRESS, OXFORD
- SHARP D.W.A.: "The Penguin Dictionary of Chemistry", 1990, PENGUIN BOOKS

Cited by

EP1006406A1; EP1059560A1; US6326331B1; US6348308B1; US6337303B1

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