

Title (en)

Stabilizers for use in substantially light-insensitive thermographic recording materials.

Title (de)

Stabilisatoren zur Verwendung in thermographischen Aufzeichnungsmaterialien die im wesentlichen lichtunempfindlich sind

Title (fr)

Stabilisateurs pour emploi en matériaux thermographiques d'enregistrement sensiblement non-sensibles à la lumière

Publication

EP 1422551 B1 20061206 (EN)

Application

EP 03104031 A 20031030

Priority

- EP 03104031 A 20031030
- EP 02102586 A 20021114

Abstract (en)

[origin: EP1422551A1] A substantially light-insensitive black and white monosheet thermographic recording material comprising a support and a thermosensitive element, said thermosensitive element containing a substantially light-insensitive organic silver salt, an organic reducing agent therefor in thermal working relationship therewith, a binder and at least one 2-mercapto-benzothiazole compound represented by formula (I):
<CHEM> wherein R<1>, R<2>, R<3> and R<4> are independently hydrogen, an optionally substituted alkyl group, an optionally substituted aryl group, an alkoxy group, an ester group, a carbamate group, a carbonate group, a SO₂R<5> group, a -NR<6>R<7> group, a nitro group, a cyano group, an acyl group, a halogen atom, an optionally alkyl or alkoxy-substituted -SO₂NH-phenyl group, a perfluoro-alkyl group, a -CONHR<8> group, a -NHOCR<9> group, a -OCOOR<10> group or a -NHCOOR<11> group; R<5>, R<9>, R<10> and R<11> are independently an optionally substituted alkyl or an aryl group; R<6>, R<7> and R<8> are independently a hydrogen atom, an optionally substituted alkyl group or an acyl group; R<1> and R<2> together, R<2> and R<3> together and R<3> and R<4> together can independently represent the atoms necessary to form a carbocyclic, aromatic, heteroaromatic or heterocyclic ring with the proviso that at least one of R<1>, R<2>, R<3> and R<4> is not hydrogen.

IPC 8 full level

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