

Title (en)

Toning agents for use in thermographic and photothermographic recording materials

Title (de)

Tönungsmittel für thermographische und photothermographische Materialien

Title (fr)

Agents d'amélioration du ton pour des matériaux thermographiques et photothermographiques.

Publication

**EP 1435298 A2 20040707 (EN)**

Application

**EP 03104600 A 20031209**

Priority

- EP 03104600 A 20031209
- EP 02102832 A 20021219

Abstract (en)

A black and white monosheet thermographic recording material comprising a support and a thermosensitive element, the 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 toning agent, characterized in that the at least one toning agent is represented by formula (I): <CHEM> wherein R<1> is a hydrogen atom or an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an alkaryl, an aryl, a heterocyclic or a heteroaryl group all of which may be optionally substituted; with the proviso that R<1> may not be a hydrogen atom if both R<2> and R<3> are both hydrogen atoms; R<2> and R<3> are independently a hydrogen or a halogen atom or an amino, amide, ester, carboxy, carbonato, alkyl, alkenyl, alkynyl, cycloalkyl, alkaryl, aryl, heterocyclic or heteroaryl group all of which may be optionally substituted; R<2> and R<3> may together represent the atoms necessary to complete a heteroaromatic ring with no more than one nitrogen atom, an alicyclic or a heterocyclic group which all may be optionally substituted; and X is a carbonyl group, or is -N-R<4>, where R<4> is an alkyl group. The element may also contain a photosensitive silver halide.

IPC 1-7

**B41M 5/32**; G03C 1/498

IPC 8 full level

**B41M 5/32** (2006.01); **G03C 1/498** (2006.01)

CPC (source: EP)

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