

Title (en)

Thermographic materials and recording processes therefor

Title (de)

Thermographische Materialien und Aufzeichnungsverfahren dafür

Title (fr)

Matériaux thermographiques et procédé d'enregistrement utilisant de tels matériaux

Publication

**EP 1246001 A1 20021002 (EN)**

Application

**EP 01000097 A 20010329**

Priority

EP 01000097 A 20010329

Abstract (en)

A thermographic recording material comprising a support and a thermosensitive element, the thermosensitive element containing a mixture of substantially light-insensitive silver salts of organic carboxylic acids with one or more carboxylic acid groups, an organic reducing agent for the mixture of substantially light-insensitive organic silver salts in thermal working relationship therewith and a binder, characterized in that the mixture of substantially light-insensitive organic silver salts contains a silver salt of a monocarboxylic acid and a compound exclusive of silver succinate represented by formula (I):  $\text{AgOOC-R<1>-COOAg}$  wherein R<1> is a straight chain hydrocarbon group with two or three carbon atoms substituted with one or more of =O, =S, =CR<2>R<3>, an alkyl group, an aryl group, an amino group, a substituted amino group, a cycloalkyl group, a hydroxy group, a thiol group, a sulphone group, an alkoxy group, an acyloxy group, a thioalkyl group, a thioaryl, a carbamic ester group, a halogen atom or a  $-(\text{C}=\text{O})\text{R<4>}$  group; two of the substituents of R<1> selected from the group consisting of alkyl, thioalkyl, substituted amino and alkoxy groups may jointly comprise the atoms necessary to complete a carbocyclic or heterocyclic ring; R<2> and R<3> are independently hydrogen or an alkyl, substituted alkyl, hydroxy or thiol; R<4> is a hydroxy, alkoxy, alkyl or -NHR<6> group; R<6> is hydrogen or an alkyl group; a thermographic recording process therewith and a photothermographic recording process therewith.

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