

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

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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): 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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