

Title (en)

Photothermographic materials and recording processes therefor

Title (de)

Photothermographische Materialien und Aufzeichnungsverfahren dafür

Title (fr)

Matériaux thermographiques et procédé d'enregistrement utilisant de tels matériaux

Publication

**EP 1258775 A2 20021120 (EN)**

Application

**EP 02100246 A 20020313**

Priority

- EP 02100246 A 20020313
- EP 01000097 A 20010329

Abstract (en)

A photothermographic recording material comprising a support and a photo-addressable thermally developable element, the photo-addressable thermally developable element containing a mixture of a substantially light-insensitive silver salt of a monocarboxylic acid and a substantially light-insensitive compound exclusive of silver succinate represented by formula (I): ##### AgOOC-R 1 -COOAg wherein R 1 is a straight chain saturated or unsaturated hydrocarbon group with two or three carbon atoms, optionally 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, an alkyl sulphone group, an aryl sulphone group, an alkoxy group, an acyloxy group, a thioalkyl group, a thioaryl, a carbamic ester group, a halogen atom or a-(C=O)R 4 group; wherein if R 1 is substituted with two substituents selected from the group consisting of alkyl, thioalkyl, substituted amino and alkoxy groups the two substituents 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, -OAg, alkoxy, alkyl or-NHR 6 group; R 6 is hydrogen or an alkyl group; an organic reducing agent for the mixture of substantially light-insensitive organic silver salts in thermal working relationship therewith, a photosensitive silver halide in catalytic association with said mixture of substantially light-insensitive organic silver salts, and a binder; a photothermographic recording process therewith.

IPC 1-7

**G03C 1/498**

IPC 8 full level

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