

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 A3 20060726 (EN)

Application

EP 02100246 A 20020313

Priority

- EP 02100246 A 20020313
- EP 01000097 A 20010329

Abstract (en)

[origin: EP1258775A2] 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 8 full level

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