

Title (en)

Heat-sensitive recording material having image-stabilization properties

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial mit bildstabilisierenden Eigenschaften

Title (fr)

Matériau d'enregistrement thermosensible à propriétés stabilisatrices de l'image

Publication

EP 0730196 A2 19960904 (EN)

Application

EP 96200223 A 19960201

Priority

- EP 96200223 A 19960201
- EP 95200506 A 19950302

Abstract (en)

A heat-sensitive recording material suited for use in direct thermal imaging and having image-stabilization properties which material contains in a binder on a support (i) a substantially light-insensitive organic silver salt capable of thermally activated reduction to silver in thermal working relationship with (ii) at least one reducing agent capable of reducing the substantially light-insensitive organic silver salt when thermally activated, characterized in that the recording material contains in conjunction, preferably in admixture, with the reducing agent(s) at least one colourless photo-oxidizing substance that on exposure to ultraviolet (UV) radiation, such as present in daylight or artificial lighting, yields free radicals capable of inactivating said reducing agent(s) by oxidation, thereby rendering said reducing agent(s) incapable of reducing said organic silver salt to silver.

IPC 1-7

G03C 1/498

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP)

G03C 1/4989 (2013.01)

Cited by

EP0964300A1; US6211116B1

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

EP 0730196 A2 19960904; EP 0730196 A3 19980121; EP 0730196 B1 20001025

DOCDB simple family (application)

EP 96200223 A 19960201