

Title (en)

Heat-developable electrically activatable recording material.

Title (de)

Mit Wärme entwickelbares, elektrisch aktivierbares Aufzeichnungsmaterial.

Title (fr)

Matériau d'enregistrement électro-activable, et thermodéveloppable.

Publication

**EP 0034952 A2 19810902 (EN)**

Application

**EP 81300784 A 19810225**

Priority

- US 12418980 A 19800225
- US 15671280 A 19800605

Abstract (en)

A room light-handleable recording material comprises an electrically conductive support having thereon in sequence (a) a polymeric electrically active conductive (EAC) layer, a recording layer (b) comprising a dye-forming coupler and an oxidation-reduction combination comprising an organic silver salt and a reducing agent having an oxidation product which reacts with the coupler to form image dye. Imagewise passage of current through the material, possibly achieved by applying a potential across the material and an exposed photoconductive layer in contact therewith, produces a heat-developable latent image. Higher current sensitivity of this material is obtained by using as the organic silver salt a salt of a mercapto-1,2,4-triazole derivative and as the polymer for the EAC layer a vinyl addition polymer of the structure: <CHEM> wherein R<1> is hydrogen or methyl, R<2> is aryl or R<3>COO- where R<3> is alkyl or aryl, each X is bromine or chlorine, and n and p are such that the polymer contains from 50 to 85% by weight of the halogen-containing unit.

IPC 1-7

**G03C 1/02**

IPC 8 full level

**G03C 1/498** (2006.01); **G03G 17/00** (2006.01)

CPC (source: EP)

**G03C 1/49872** (2013.01); **G03G 17/00** (2013.01); **G03C 1/4989** (2013.01)

Cited by

US5952238A; US6893875B2

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

**EP 0034952 A2 19810902**; **EP 0034952 A3 19821215**; CA 1172893 A 19840821

DOCDB simple family (application)

**EP 81300784 A 19810225**; CA 367980 A 19810106