

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)

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