

Title (en)
Laser addressable thermal recording material

Title (de)
Laseradressierbares wärmeempfindliches Aufzeichnungsmaterial

Title (fr)
Matériau d'enregistrement thermosensible adressé par laser

Publication
EP 0582144 B1 19970423 (EN)

Application
EP 93111757 A 19930722

Priority
US 92351592 A 19920803

Abstract (en)
[origin: EP0582144A1] A thermal recording material containing a suitable substrate coated with an imaging system, the imaging system containing: (a) a thermally reducible source of silver; (b) a reducing agent for silver ion; (c) a dye which absorbs electromagnetic radiation in the wavelength range of about 500-1100 nm; and (d) a polymeric binder. In a preferred embodiment, the reducing agent comprises a 3-indazoline or a urea compound as a development accelerator. In another preferred embodiment, the electromagnetic radiation absorbing dye is a near-infrared light absorbing dye. In still another preferred embodiment, the electromagnetic radiation absorbing dye is present in the imaging system in a layer adjacent to a layer containing the thermally reducible source of silver and reducing agent for silver ion.

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Cited by
EP0677776A1; US5587268A; US5928855A; EP0943960A1; US5928856A; EP0943959A1; EP0678775A1; EP0796742A3; EP0836116A1; EP0677775A1; GB2305509A; US5766828A; EP0795997A1; EP0692733A3; US5601962A; US5840469A; EP0849625A1; US6066445A; US5922528A; EP0943957A1; EP0943958A1; US5994052A; EP0674217A1; US7261999B2; EP0692391A1; WO9610213A1; WO9507822A1

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