

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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**B41M 5/32**; **G03C 1/498**

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Cited by  
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