

Title (en)

Direct thermal imaging material containing a protective layer

Title (de)

Schutzschichtenthaltendes thermisches Direktbildaufzeichnungsmaterial

Title (fr)

Matériau sensible à la chaleur contenant une couche protectrice pour l'enregistrement direct d'images

Publication

EP 0614769 B1 19960925 (EN)

Application

EP 94200472 A 19940224

Priority

- EP 94200472 A 19940224
- EP 93200653 A 19930308

Abstract (en)

[origin: EP0614769A1] A thermosensitive recording material suited for use in direct thermal imaging by means of an information-wise energized heating element, said recording material containing a thermosensitive recording layer of which the optical density is changed by heat, characterized in that said recording layer is coated with a protective transparent resin layer essentially consisting of a polycarbonate or copolycarbonate derived from one or more bisphenols, wherein at least 25 mole % of said bisphenols consists of a bis-(hydroxyphenyl)-cycloalkane corresponding to following general formula (I): <CHEM> wherein: each of R<1>, R<2>, R<3>, and R<4> (same or different) represents hydrogen, halogen, a C1-C8 alkyl group, a substituted C1-C8 alkyl group, a C5-C6 cycloalkyl group, a substituted C5-C6 cycloalkyl group, a C6-C10 aryl group, a substituted C6-C10 aryl group, a C7-C12 aralkyl group, or a substituted C7-C12 aralkyl group, and X represents the atoms necessary to complete a 5- to 8-membered alicyclic ring, which either carries at least one C1-C6 alkyl group or at least one 5- or 6-membered cycloalkyl group, or carries a fused-on 5- or 6-membered cycloalkyl group.

IPC 1-7

B41M 5/40; B41M 5/32

IPC 8 full level

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Cited by

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