

Title (en)

Outermost layers for use in thermographic recording material

Title (de)

Aussenschichten für die Verwendung in thermographischen Aufzeichnungsmaterialien

Title (fr)

Couches extérieures pour l'utilisation dans des matériaux d'enregistrement thermographiques

Publication

EP 0924097 B1 20030409 (EN)

Application

EP 97204013 A 19971218

Priority

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Abstract (en)

[origin: EP0924097A1] A process for producing a thermographic recording material including on one side of a support, called the heat-sensitive side, a thermosensitive element, the outermost layer on the heat-sensitive side containing a cured polymer or cured polymer composition and silica, comprising the steps of: providing the heat-sensitive side of the support with an outermost layer by coating with a composition produced by mixing ingredients including colloidal silica, a curable polymer and a curing agent therefor; and drying and curing the outermost layer, characterized in that any acidic groups present in the colloidal silica upon acidification are substantially neutralized with ammonium ions, the curable polymer is a hydrophilic polymer having active hydrogen atoms and the curing agent is selected from the group consisting of polyisocyanates, aldehydes, titanates, zirconates, sulfone, boric acid and hydrolyzed tetraalkyl orthosilicate; and a method of recording an image therewith.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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