

Title (en)

Photothermographic imaging element containing an antihalation dye

Title (de)

Photothermographisches Bildaufzeichnungselement, das einen Lichthofschutzfarbstoff enthält

Title (fr)

Éléments photothermographiques contenant un colorant antihalo

Publication

EP 0919862 A1 19990602 (EN)

Application

EP 98203843 A 19981114

Priority

US 97931797 A 19971126

Abstract (en)

This invention comprises a photothermographic imaging element comprising a support, an photothermographic imaging layer and at least one non-imaging layer positioned above the imaging layer, between the imaging layer and the support or on the side of the support opposite the imaging layer, wherein the non-imaging layer contains a dye of structure I: <CHEM> wherein M is a multi-valent metal atom; R1, R4, R5, R8, R9, R12, R13, R16 independently represent a hydrogen atom, or a substituted or unsubstituted, branched or unbranched alkyl group; R2, R3, R6, R7, R10, R11, R14, R15 independently represent a hydrogen atom, a halogen atom, a substituted or unsubstituted, branched or unbranched alkyl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted alkoxy group or a substituted or unsubstituted aryloxy group; or one or more of the adjacent pairs R1 and R2, R2 and R3, R3 and R4, R5 and R6, R6 and R7, R7 and R8, R8 and R9, R9 and R10, R10 and R11, R11 and R12, R13 and R14, R14 and R15 and R15 and R16 taken together may represent the atoms necessary to form a substituted or unsubstituted aromatic or heteroaromatic ring.

IPC 1-7

G03C 1/498

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 4258129 A 19810324 - IKENOUE SHINPEI, et al
- [E] EP 0889355 A1 19990107 - AGFA GEVAERT NV [BE]
- [A] EP 0655645 A1 19950531 - MINNESOTA MINING & MFG [US]

Cited by

EP1348997A1; EP0952481A1; US6727057B2; US6287755B1

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EP 0919862 A1 19990602; **EP 0919862 B1 20031015**; DE 69818948 D1 20031120; DE 69818948 T2 20040729; JP H11242306 A 19990907

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