Title (en)

HEAT-SENSITIVE RECORDING MATERIAL

Publication

EP 0286116 B1 19911211 (DE)

Application

EP 88105625 A 19880408

Priority

JP 8750387 A 19870409

Abstract (en)

[origin: JPS63252784A] PURPOSE:To obtain a thermal recording material show excellent optical readability in a near infrared region, by incorporating a specified infrared-absorbing fluoran leuco dye into a thermal color forming layer, in a thermal recording material comprising a chelate type thermal color forming layer using a metallic compound. CONSTITUTION:A near infrared-absorbing fluoran leuco dye of the formula is incorporated in a thermal color forming layer comprising an electron acceptor and an electron donor. Preferable examples of the fluoran leuco dye are 2- methyl-6-p(p-dimethylaminophenyl)aminoanilinofluoran (m.p. 197-203 deg.C) and 2-chloro-3-methyl-6-p-(p-phenylaminophenyl) aminoanilinofluoran (m.p. 191.5- 196 deg.C). In the formula, each of T1, T2 and T3 is hydrogen, a 1-8C alkyl, 3-9C alkenyl or 3-9C alkynyl, and T4 is hydrogen, a 1-8C alkyl, 3-9C alkenyl, 3-9C alkynyl or phenyl.

IPC 1-7

B41M 5/26

IPC 8 full level

B41M 5/32 (2006.01); **B41M 5/323** (2006.01); **B41M 5/327** (2006.01); **B41M 5/333** (2006.01); **B41M 5/337** (2006.01); **G03C 1/498** (2006.01); B41M 5/30 (2006.01)

CPC (source: EP US)

B41M 5/32 (2013.01 - EP US); **B41M 5/3275** (2013.01 - EP US); **B41M 5/3333** (2013.01 - EP US); **B41M 5/3335** (2013.01 - EP US); **G03C 1/4989** (2013.01 - EP US); B41M 5/3336 (2013.01 - EP US); Y10S 428/913 (2013.01 - EP US); Y10S 428/914 (2013.01 - EP US)

Cited by

EP0287121A3; EP0307836A3; EP0599580A1; US5446009A; EP0574879A1; US5395815A

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DOCDB simple family (publication)

EP 0286116 A2 19881012; **EP 0286116 A3 19890412**; **EP 0286116 B1 19911211**; DE 3866752 D1 19920123; JP H066392 B2 19940126; JP S63252784 A 19881019; US 4853363 A 19890801

DOCDB simple family (application)

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