

Title (en)

Pigmented recording material having a dye-receiver layer

Title (de)

Pigmenthaltiges Aufzeichnungsmaterial mit einer Farbempfangsschicht

Title (fr)

Matériau coloré pour l'enregistrement ayant une couche réceptrice de colorant

Publication

**EP 1153760 A3 20040317 (DE)**

Application

**EP 01110739 A 20010503**

Priority

DE 10022529 A 20000509

Abstract (en)

[origin: EP1153760A2] Pigmented recording material with a color-receiving layer containing a silicon dioxide dispersion obtained by surface modification with vinyl-, (meth)acryl- or 1-8C alkyl-trimethoxy- or -triethoxy-silane (plus cationic color-fixing agents, plasticizer and optional polymer dispersion). Pigmented recording material with a color-receiving layer containing (a) 5-25 wt.% polymeric color-fixing mixture of water-soluble and -insoluble cationic polymers, (b) 5-20 wt.% water-soluble plasticizer, (c) 0-20 wt.% polymer dispersion with a glass transition point below 25 degrees C and (d) 30-80 wt.% silicon dioxide dispersion obtained by surface modification with alkylsilanes of formula (1), using a (SiO<sub>2</sub> dispersion): (alkylsilane) ratio of (1:1)-(9:1). R<sub>1</sub>Si(OR<sub>2</sub>)<sub>3</sub> (1) R<sub>1</sub> = vinyl, (meth)acryl or 1-8C alkyl; and R<sub>2</sub> = methyl or ethyl.

IPC 1-7

**B41M 5/00**

IPC 8 full level

**B41J 2/01** (2006.01); **B41M 5/00** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [A] EP 0983867 A2 20000308 - EASTMAN KODAK CO [US]
- [A] EP 0741045 A1 19961106 - CANON KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 057 (M - 363) 13 March 1985 (1985-03-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 083 (M - 466) 2 April 1986 (1986-04-02)

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