

Title (en)

MEROCYANINE DYE-DONOR ELEMENT USED IN THERMAL DYE TRANSFER

Publication

**EP 0257580 A3 19890927 (EN)**

Application

**EP 87112148 A 19870821**

Priority

- US 5944287 A 19870608
- US 89927486 A 19860822
- US 91544186 A 19861006

Abstract (en)

[origin: EP0257580A2] A dye-donor element for thermal dye transfer comprises a support having thereon a merocyanine dye dispersed in a polymeric binder, the merocyanine dye being capable of transfer by diffusion to a dye-receiving element upon the application of heat and being incapable of substantial photolysis, the merocyanine dye being substituted or unsubstituted on the bridging methine carbon atoms. In a preferred embodiment, the merocyanine dye has the formula: <CHEM> wherein: A represents -COR, -COOR, -CONHR, -CN -SO<sub>2</sub>R or -SO<sub>2</sub>NR<sub>2</sub>; or A may be combined together with R<1> to form a heterocyclic or carbocyclic ring system; R<1> represents -NHR, -NR<sub>2</sub>, -OR, -SR, or R; n represents 0 or 1; Z represents the atoms necessary to complete a 5- or 6-membered substituted or unsubstituted heterocyclic ring; and each R independently represents a substituted or unsubstituted alkyl group of from 1 to 6 carbon atoms or a substituted or unsubstituted aryl group of from 6 to 10 carbon atoms.

IPC 1-7

**B41M 5/26**

IPC 8 full level

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CPC (source: EP)

**B41M 5/3854** (2013.01); **B41M 5/5227** (2013.01)

Citation (search report)

- [XE] EP 0257578 A2 19880302 - EASTMAN KODAK CO [US]
- [A] FR 2272217 A1 19751219 - CIBA GEIGY AG [CH]
- [AD] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 70 (M-462)[2127], 19th March 1986, page 158 M 462; & JP-A-60 214 994 (RICOH K.K.) 28-10-1985

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