

Title (en)

MEROCYANINE DYE-DONOR ELEMENT USED IN THERMAL DYE TRANSFER

Publication

EP 0257580 B1 19920506 (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 -SO₂R or -SO₂NR₂; or A may be combined together with R<1> to form a heterocyclic or carbocyclic ring system; R<1> represents -NHR, -NR₂, -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)

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Citation (examination)

- EP 0257577 A2 19880302 - EASTMAN KODAK CO [US]
- EP 0268179 A2 19880525 - EASTMAN KODAK CO [US]

Cited by

US5136045A; EP0408891A1; CN109666289A; US5330960A; EP0503083A4; EP3470470A1; CN109666310A; EP3508536A1; EP0733487A2; EP0701907A1; EP0792757A1; TWI793195B; EP3508536B1

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