

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 -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  
**B41M 5/26** (2006.01); **B41M 5/385** (2006.01); **B41M 5/52** (2006.01)

CPC (source: EP)  
**B41M 5/3854** (2013.01); **B41M 5/5227** (2013.01)

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

Designated contracting state (EPC)  
BE CH DE FR GB LI NL

DOCDB simple family (publication)  
**EP 0257580 A2 19880302**; **EP 0257580 A3 19890927**; **EP 0257580 B1 19920506**; CA 1268942 A 19900515; DE 3778793 D1 19920611

DOCDB simple family (application)  
**EP 87112148 A 19870821**; CA 543131 A 19870728; DE 3778793 T 19870821