

Title (en)

Laser-induced thermal dye transfer using reverse exposure

Title (de)

Reversierbelichtung anwendende laser-induzierte thermische Farbstoffübertragung

Title (fr)

Transfert thermique de colorant induit par laser utilisant l'exposition inverse

Publication

EP 0605334 B1 19971001 (EN)

Application

EP 93420507 A 19931222

Priority

US 99698992 A 19921228

Abstract (en)

[origin: EP0605334A1] A method of thermal printing with a thermal printing dye-donor (10) having a light-to-heat converting material mixed with the thermal dye material (19) on a support member (14). The method comprises the steps of superposing a receiver member transparent to an information bearing radiation beam with the support member carrying the thermal dye material. An information-bearing radiation beam (22) is generated by supplying an information-bearing power signal to a radiation-generating device, and the thermal dye material is exposed to the information-bearing radiation beam through the receiver member (12) to transfer thermal dye material from the support member to the receiver member to generate an image on the receiver member, with the image having a density which varies linearly with the power level supplied to the radiation-generating device. <IMAGE>

IPC 1-7

B41M 5/38; **B41M 5/40**; **B41J 2/475**

IPC 8 full level

B41J 2/385 (2006.01); **B41J 2/32** (2006.01); **B41J 2/325** (2006.01); **B41J 2/475** (2006.01); **B41M 5/382** (2006.01); **B41M 5/46** (2006.01); **G06T 5/00** (2006.01); **B41M 5/00** (2006.01); **B41M 5/40** (2006.01)

CPC (source: EP)

B41J 2/475 (2013.01); **B41M 5/38207** (2013.01); **B41M 5/46** (2013.01); **B41M 5/465** (2013.01)

Citation (examination)

- WO 9406635 A1 19940331 - ICI PLC [GB], et al
- GB 1284266 A 19720802 - NAT RES DEV [GB]

Cited by

DE10051850A1; EP0770492A1; US5841464A; US7137697B2

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