

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 A1 19940706 (EN)**

Application

**EP 93420507 A 19931222**

Priority

US 99698992 A 19921228

Abstract (en)

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 2/32** (2006.01); **B41J 2/325** (2006.01); **B41J 2/385** (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 (search report)

- [X] EP 0327314 A2 19890809 - REYNOLDS TOBACCO CO R [US]
- [A] EP 0318946 A2 19890607 - EASTMAN KODAK CO [US]
- [A] US 4804975 A 19890214 - YIP KWOK-LEUNG [US]
- [A] EP 0464588 A1 19920108 - EASTMAN KODAK CO [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 9, no. 264 (M - 423)<1987> 22 October 1985 (1985-10-22)

Cited by

DE10051850A1; EP0770492A1; US5841464A; US7137697B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0605334 A1 19940706**; **EP 0605334 B1 19971001**; DE 69314304 D1 19971106; DE 69314304 T2 19980423; JP H071751 A 19950106

DOCDB simple family (application)

**EP 93420507 A 19931222**; DE 69314304 T 19931222; JP 33083593 A 19931227