

Title (en)

Thermal transfer recording device.

Title (de)

Thermisches Übertragungsaufzeichnungssystem.

Title (fr)

Système pour l'enregistrement par transfert thermique.

Publication

EP 0678391 A1 19951025 (EN)

Application

EP 95103260 A 19950307

Priority

JP 3693394 A 19940308

Abstract (en)

A thermal transfer recording device in which a gap (13) is provided between a layer (22) of a transfer dye and an object of transfer recording (14) and in which the transfer dye is supplied to a transfer section (3) and subsequently vaporized by heating means so as to be transferred onto the object of transfer recording (14) wherein, with the density of the transfer dye ρ , the surface tension of the transfer dye γ and with the period of heating ω , a unit width d of a spatial structure of the transfer section is given by $d = \frac{\rho \gamma}{\omega}$ where n is a positive integer. With the present thermal transfer recording device, a high-quality color image can be produced easily. <IMAGE>

IPC 1-7

B41J 2/32; **B41J 2/475**

IPC 8 full level

B41J 2/32 (2006.01); **B41J 2/325** (2006.01); **B41J 2/475** (2006.01)

CPC (source: EP KR)

B41J 2/32 (2013.01 - EP KR); **B41J 2/475** (2013.01 - EP); **B41J 2/475** (2013.01 - KR)

Citation (search report)

- [A] GB 2142583 A 19850123 - NIPPON TELEGRAPH & TELEPHONE
- [A] EP 0577527 A1 19940105 - EASTMAN KODAK CO [US]
- [A] EP 0321922 A2 19890628 - EASTMAN KODAK CO [US]
- [A] EP 0243118 A2 19871028 - XEROX CORP [US]
- [L] EP 0549244 A1 19930630 - XEROX CORP [US]
- [A] EP 0375433 A2 19900627 - XEROX CORP [US]
- [A] EP 0354706 A2 19900214 - HEWLETT PACKARD CO [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 459 (M - 770) 2 December 1988 (1988-12-02)
- [X] PATENT ABSTRACTS OF JAPAN vol. 17, no. 336 (M - 1435) 25 June 1993 (1993-06-25)
- [A] XEROX DISCLOSURE JOURNAL, Vol. 2 Number 3 May/June 1977 page 33, "FLASH TRANSFER OF etc." by William L. Goffe
- [A] IBM Technical Disclosure Bulletin, Vol. 9 No. 11 April 1967 page 1592, "DISTILLATION PRINTING" by D.H. Woodward
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 216 (M - 329) 3 October 1984 (1984-10-03)

Cited by

US11857665B2; US11833236B2

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DE FR GB

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