

Title (en)

METHOD AND APPARATUS FOR THERMALLY RECORDING DATA IN A RECORDING MEDIUM

Publication

EP 0423708 A3 19910904 (EN)

Application

EP 90119808 A 19901016

Priority

- JP 26976789 A 19891017
- JP 26976989 A 19891017
- JP 26977089 A 19891017

Abstract (en)

[origin: EP0423708A2] A method and apparatus are applicable to a thermal recording system (60) which records data in a recording medium (50) using a heat generated by applying a power to a resistor (1). According to the invention the resistor (1) itself or a monitor, which is disposed in the path of electric current applied to the resistor, is made of a material having the metallic/non-metallic phase transition characteristics at predetermined temperature, whereby the resistor or the monitor can have a function to interrupt the electric current at the predetermined temperature so that the peak temperature of the resistor is controlled constantly regardless of the value or period of the applied voltage. Further, it achieves a uniform recording property and a stable continuous tone recording property by controlling the period for holding the peak temperature of the resistor (1).

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IPC 8 full level

B41J 2/375 (2006.01)

CPC (source: EP)

B41J 2/3555 (2013.01); **B41J 2/375** (2013.01)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 27 (M-662)(2874) 27 January 1988, & JP-A-62 181162 (SHUNSUKE TANAKA ET AL) 08 August 1987,
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 191 (M-495)(2247) 04 July 1986, & JP-A-61 035265 (WATARU SAKAGAMI) 19 February 1986,
- [AP] PATENT ABSTRACTS OF JAPAN vol. 14, no. 339 (M-1001)(4282) 23 July 1990, & JP-A-02 117854 (TSUYOSHI YASUTOMI ET AL) 02 May 1990,
- [AP] PATENT ABSTRACTS OF JAPAN vol. 14, no. 186 (M-962)(4129) 16 April 1990, & JP-A-02 034361 (NOBUO KATSUMA) 05 February 1990,
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 123 (E-317)(1846) 28 May 1985, & JP-A-60 09271 (TOSHIO KAWAKAMI) 10 January 1985,

Cited by

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