

Title (en)

Method and apparatus for thermally recording data in a recording medium.

Title (de)

Verfahren und Vorrichtung zur thermischen Datenaufzeichnung auf einem Datenträger.

Title (fr)

Méthode et appareil pour l'enregistrement thermique d'informations sur un support.

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Application

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Priority

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Abstract (en)

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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