

Title (en)

HEATER POWER COMPENSATION FOR TEMPERATURE IN THERMAL PRINTING SYSTEMS

Title (de)

TEMPERATURKOMPENSATION DER STROMVERSORGUNG DER HEIZELEMENTE IN THERMISCHEN DRUCKSYSTEMEN

Title (fr)

COMPENSATION EN TEMPERATURE D'UNE ALIMENTATION DE DISPOSITIF DE CHAUFFAGE DANS DES SYSTEMES D'IMPRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9632275A1] A method of and apparatus for compensating printing heads which operate, e.g. , in the coincident forces drop on demand printing mode for the effects of ambient print head temperature is disclosed. This helps to maintain consistent drop size over a wide operating temperature range. The apparatus includes a temperature sensor (300) which is affixed to the print head (50) in order to sense the average temperature of the head. The output of the sensor is connected to a device (310) which calculates the power supply voltage required at the said temperature. This result is used to control a programmable power supply (320) which is connected to the heater power supply of the head (50).

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