

Title (en)

Compensation for voltage drops due to resistive heating element location in thermal printer heads.

Title (de)

Kompensation von Spannungsabfällen verursacht durch die Aufstellung der Widerstandsheizelemente in Thermodruckköpfen.

Title (fr)

Compensation des chutes de tension dues à l'emplacement de l'élément chauffant résistif dans les têtes d'impression thermiques.

Publication

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Application

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Priority

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Abstract (en)

Compensation is provided for location-dependent voltage drops within a thermal printhead by adjusting the duration of application of current to selected resistive heating elements as a function of the location of (i) the resistive heating elements on the printhead and (ii) of the number of heating elements which are simultaneously activated. A histogram of the frequency that different duration of current application occur during each print line is produced and used for producing a location-dependent correction factor. The resistive heating elements may be segmented into a plurality of groups based on physical location on the printhead, and the duration of application of current to the selected resistive heating elements is adjusted as a group. <IMAGE>

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