

Title (en)

Method and apparatus for the control of thermal ink jet printers

Title (de)

Verfahren und Vorrichtung zur Überwachung von Thermo-Tintenstrahl-Druckern

Title (fr)

Méthode et appareil pour la commande d'une imprimante thermique par jet d'encre

Publication

**EP 0600648 B1 20011024 (EN)**

Application

**EP 93309242 A 19931119**

Priority

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Abstract (en)

[origin: EP0600648A2] The volume of drops ejected from thermal ink jet printheads varies with the temperature of the printhead (20). The variation in drop volume degrades print quality by causing variations in the darkness in black and white text, the contrast of gray scale images, and variations in the chroma, hue, and lightness of color images. The present invention reduces the range of drop volume variation by reducing the range of printhead (20) temperature variation during the print cycle by keeping the printhead temperature above a reference temperature. When the printhead temperature falls below the reference temperature during a print cycle the printhead is heated with nonprinting pulses. <IMAGE>

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