

Title (en)

Ink-jet print head with integrated driving components

Title (de)

Tintenstrahldruckkopf mit integrierten Betätigungskomponenten

Title (fr)

Tête d'impression à jet d'encre avec composants de commande intégrés

Publication

EP 0749834 B1 20010404 (EN)

Application

EP 96109564 A 19960614

Priority

IT TO950521 A 19950622

Abstract (en)

[origin: EP0749834A2] In an ink jet printhead (100) comprising ejection resistors (Ri) and MOS transistors (TRi) for supplying the resistors the energy for ejecting droplets of ink, integrated on the same semiconductor substrate, a given range of values is defined for the ratio of the channel resistance (Rc) during conduction of the MOS transistor to the resistance (R) of the ejection resistor so that the energetic operating point (EI) of the ejection resistor is automatically compensated for variations in temperature (Ts) of the substrate, thereby assuring quality of printing and preventing ejection resistor conditions of operation liable to damage the resistor itself. <IMAGE>

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B41J 2/05

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1591252A1; US6883894B2; GB2371268A; GB2371268B; WO0105594A1; US7350891B2; US6517182B1

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