

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 A2 19961227 (EN)

Application
EP 96109564 A 19960614

Priority
IT TO950521 A 19950622

Abstract (en)
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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