

Title (en)
Ink jet printhead control circuit

Title (de)
Regelkreis für Tintenstrahldruckkopf

Title (fr)
Circuit de commande de tête d'impression à jet d'encre

Publication
EP 1849604 A2 20071031 (EN)

Application
EP 07250143 A 20070115

Priority
CN 200610078608 A 20060426

Abstract (en)
An ink jet printhead control circuit is provided. The ink jet printhead control circuit includes at least a nozzle firing circuit (301) and a nozzle firing control circuit (302). The nozzle firing circuit (301) includes a switch (SW301) and a heating resistor (R301). The switch (SW301) and the heating resistor (R301) are coupled in series between a power voltage level (P) and a predetermined voltage level (Vss). The nozzle firing control circuit (302) is electrically coupled to the nozzle firing circuit (301), and receives a selection signal (SEL) and an address signal (ADD). When the address signal (ADD) and the selection signal (SEL) are enabled, the nozzle firing circuit (301) is controlled to apply the power voltage level (P) to turn on the switch (SW301) to drive the heating resistor (R301) so that droplets of ink are jetted out.

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