

Title (en)

DRIVING CIRCUITRY FOR THE PRINTING JETS IN MOSAIC COLOUR PRINTERS

Publication

EP 0011251 B1 19830907 (DE)

Application

EP 79104402 A 19791108

Priority

DE 2850016 A 19781117

Abstract (en)

[origin: US4282535A] A circuit arrangement for the operation of recording nozzles in ink mosaic recording devices employing tubular drive elements, which contain recording fluid, and which comprise electromechanical transducers, in particular piezo-electric transducers, whose diameter, and thus internal volume varies in the presence of different voltage potentials, utilizing an electronic switch for each of the electromechanical transducers, for selectively supplying to the respective electromechanical transducers a first voltage potential, and an electronic switch common to all of said electromechanical transducers for supplying in common a second voltage potential to all of said electronic transducers. The first voltage potential preferably is a potential operative to expand the diameters of the electromechanical transducers, and said second voltage potential preferably is a potential operative to contract the diameters of the electromechanical transducers. Means may also be provided in the supply path of current conducted across the electronic switch supplying the first voltage potential to the electromechanical transducers for limiting such current in an adjustable manner.

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