

Title (en)

DRIVING CIRCUITRY FOR THE PRINTING JETS IN MOSAIC COLOUR PRINTERS

Publication

EP 0011251 A3 19810107 (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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B41J 3/04

IPC 8 full level

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CPC (source: EP US)

B41J 2/04541 (2013.01 - EP US); **B41J 2/04581** (2013.01 - EP US)

Citation (search report)

- DE 2915646 A1 19791031 - MIELKE KLAUS
- DE 2548691 A1 19770512 - SIEMENS AG

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0011251 A2 19800528; **EP 0011251 A3 19810107**; **EP 0011251 B1 19830907**; AU 528270 B2 19830421; AU 5289379 A 19800522; CA 1129477 A 19820810; CS 214674 B2 19820528; DE 2850016 A1 19800522; DE 2850016 C2 19840322; US 4282535 A 19810804; ZA 796199 B 19801126

DOCDB simple family (application)

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