

Title (en)

Piezoelectric element driving circuit and ink jet recording apparatus

Title (de)

Antriebsschaltung für ein piezoelektrisches Element und Tintenstrahlaufzeichnungs Vorrichtung

Title (fr)

Circuit de commande pour élément piézoélectrique et appareil d'enregistrement à jet d'encre

Publication

EP 0865921 A3 19990811 (EN)

Application

EP 97305778 A 19970731

Priority

JP 6511697 A 19970318

Abstract (en)

[origin: EP0865921A2] A piezoelectric element driving circuit drives a plurality of piezoelectric elements having common electrodes and independent electrodes which are driven independently. The piezoelectric element driving circuit includes a first switch circuit (25; 25-1 to 25-n) enabling each of a plurality of piezoelectric elements of a first piezoelectric element group (34) having the common electrodes coupled in common in response to a first enable signal, a second switch circuit (26) enabling each of a plurality of piezoelectric elements of a second piezoelectric element group (35) in response to a second enable signal, where the piezoelectric elements of the second piezoelectric element group are different from the piezoelectric elements of the first piezoelectric element group, and a driving circuit part (31, 32, 33-1 to 33-n) driving in common the independent electrodes of the corresponding piezoelectric elements of the first and second piezoelectric element groups based on recording data. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] EP 0737586 A1 19961016 - SEIKO EPSON CORP [JP]
- [A] US 4463359 A 19840731 - AYATA NAOKI [JP], et al
- [XY] PATENT ABSTRACTS OF JAPAN vol. 095, no. 001 28 February 1995 (1995-02-28)
- [XY] PATENT ABSTRACTS OF JAPAN vol. 016, no. 290 (M - 1272) 26 June 1992 (1992-06-26)
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 064 (M - 285) 27 March 1984 (1984-03-27)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 017, no. 483 (M - 1472) 2 September 1993 (1993-09-02)

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