Title (en)

INK JET PRINTER AND METHOD OF PRINTER OPERATION

Publication

EP 0104951 A3 19851106 (EN)

Application

EP 83305830 A 19830928

Priority

US 42657582 A 19820929

Abstract (en)

[origin: EP0104951A2] An ink jet printer includes a print head for generating a plurality of groups (88,90, etc, 92,94, etc, and 96,98 etc.) of jet drop streams (50) arranged in a first row in which the jet drop streams in each of the groups are uniformly spaced along the row and interspersed with jet drop streams in each of the other groups. A plurality of charge electrodes (52) are provided with each electrode positioned adjacent one of the jet drop streams. A deflection electrode provides a deflection field through which the jet drop streams pass, whereby drops charged to a catch charge level or a guard charge level are deflected to a catcher. Control means repetitively applies print control signals in sequence to the charge electrodes associated with each group of jet drop streams, while simultaneously applying a guard signal to the remaining charge electrodes. This arrangement results in predictable drop-to-drop and interlet crosstalk which may be compensated by a shift in charge voltage levels.

IPC 1-7

B41J 3/04; G01D 15/18

IPC 8 full level

B41J 2/075 (2006.01); **B41J 2/085** (2006.01)

CPC (source: EP)

B41J 2/085 (2013.01)

Citation (search report)

- US 4086601 A 19780425 - FILLMORE GARY L, et al
- US 4074278 A 19780214 - ROBERTSON JOHN A
- US 3701998 A 19721031 - MATHIS GARLAND V
- US 3833910 A 19740903 - CHEN W

Cited by

US4613871A; EP0782926A1; US5949455A; US7533965B2; US7204020B2; WO2006044588A1; WO8702938A1

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