

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

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0104951 A2 19840404; **EP 0104951 A3 19851106**; JP S5983669 A 19840515

DOCDB simple family (application)
EP 83305830 A 19830928; JP 18176083 A 19830929