

Title (en)

A method of printing in a device for direct electrostatic printing comprising a printhead structure with deflection electrodes and a means for electrically controlling said deflection electrodes

Title (de)

Druckverfahren und Steuerung für Druckkopf mit Ablenkelektroden zum direkten elektrostatischen Drucken

Title (fr)

Méthode d'impression et contrôle pour une tête d'impression avec système d'électrodes de déviation pour l'impression électrostatique directe

Publication

**EP 0983858 A1 20000308 (EN)**

Application

**EP 99200478 A 19990218**

Priority

- EP 99200478 A 19990218
- EP 98201965 A 19980609

Abstract (en)

A printhead structure (106) for use in a device for direct electrostatic printing with an addressability AD in dots per cm, is provided comprising a sheet of insulating material (106c) having a first and a second face, at least one row of printing elements (116) on said substrate, each of said printing elements including at least one printing aperture (107) through said insulating substrate. The printhead structure further comprises at least one set of deflection electrodes arranged in said printhead structure so as to have at most one deflection electrode near two adjacent printing elements. The deflection electrodes are coupled to a voltage source for applying to each set of deflection electrodes a varying voltage. Preferably the number of printing elements per cm, in the row of printing elements, is equal to the addressability, AD, and the varying voltage has a frequency, f, correlated to the line time of the printing LT, so that  $f \times LT \geq 1.00$ .

IPC 1-7

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IPC 8 full level

**B41J 2/415** (2006.01)

CPC (source: EP)

**B41J 2/4155** (2013.01)

Citation (applicant)

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