

Title (en)

A printhead structure for use in a device for direct electrostatic printing comprising symmetrical control electrodes in the printing nip

Title (de)

Druckkopfstruktur zur Verwendung in einer Vorrichtung zum direkten elektrostatischen Drucken mit symmetrischen Steuerelektroden am Druckoberfläch

Title (fr)

Structure d'une tête d'impression utilisée dans un dispositif d'impression électrostatique directe comprenant des électrodes symétriques à la surface d'impression

Publication

**EP 0924089 A1 19990623 (EN)**

Application

**EP 98204099 A 19981204**

Priority

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- EP 97204014 A 19971218

Abstract (en)

A printhead structure (106) for use in a device for direct electrostatic printing using dry toner particles comprising a sheet of insulating material (106c) having two faces, a row of printing apertures (106d) through the insulating material, a printing nip (120), with edges, defined around the row and control electrodes (106a) on at least one of the faces, each of the control electrodes having a first electric conductor (C1) around at least one of the printing apertures, and two further electric conductors (C2 and C3) extending from the first electric conductor towards the edges of the printing nip, one of the further electric conductors having a length, LC3, larger than 3 mm and one having a length, LC2 of at most 4 mm and the lengths LC2 and LC3 being such that  $LC2/LC3 \leq 0.75$ . A device incorporating a printhead such a printhead structure is also disclosed. <IMAGE>

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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