

Title (en)

A DEP(Direct Electrostatic Printing)device with special printhead

Title (de)

Vorrichtung zum direkten elektrostatischen Drucken mit speziellem Druckkopf

Title (fr)

Dispositif d'impression électrostatique direct avec tête d'impression spéciale

Publication

EP 0712056 B1 19990804 (EN)

Application

EP 95202968 A 19951102

Priority

- EP 95202968 A 19951102
- EP 94203255 A 19941108

Abstract (en)

[origin: EP0712056A1] There is provided a device for direct electrostatic printing (DEP) on an intermediate substrate or on a final substrate, comprising a back electrode (105), a printhead structure (106) made from an insulating material comprising a control electrode in combination with printing apertures (107), a toner delivery means (101) presenting a cloud (104) of toner particles in the vicinity of said printing apertures (107), characterised in that said printhead structure (106) is tightly stretched over a frame by means of lateral forces applied to said printhead structure. The printhead structure (106) is tightly stretched over a frame by means of lateral forces exerted by resilient means (e.g. coil springs), so that the overall flatness of the printhead structure (106) becomes equal or better than 50 mu m. <IMAGE>

IPC 1-7

G03G 15/34; B41J 2/415

IPC 8 full level

B41J 2/415 (2006.01); **G03G 15/34** (2006.01)

CPC (source: EP)

B41J 2/4155 (2013.01); **G03G 15/346** (2013.01); **G03G 2217/0025** (2013.01)

Cited by

EP0795802A1; CN1095754C; EP0887191A3; EP0816944A1; US6102523A; US6203141B1; EP0851316A1; US6227655B1; WO0168371A1

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

EP 0712056 A1 19960515; EP 0712056 B1 19990804

DOCDB simple family (application)

EP 95202968 A 19951102