

Title (en)

A method of printing in a device for direct electrostatic printing comprising a toner delivery means that comprises a charged toner conveying roll, a magnetic brush and a cleaning unit

Title (de)

Druckverfahren für eine Vorrichtung zum direkten elektrostatischen Drucken mit Tonerzufuhrmitteln enthaltend eine geladener-Tonertransportrolle, eine magnetische Bürste und eine Reinigungseinheit

Title (fr)

Méthode d'impression pour un dispositif d'impression électrostatique direct comprenant des moyens d'alimentation en toner formés d'un rouleau de transport de toner chargé, d'une brosse magnétique et d'une unité de nettoyage

Publication

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Application

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Priority

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Abstract (en)

A method for Direct Electrostatic Printing (DEP) is provided comprising the steps of : bringing charged toner particles from a magnetic brush carrying magnetic carrier particles and non magnetic toner particles to a toner bearing surface of a conveyer for charged toner, applying an electrical potential difference between the toner bearing surface and an image receiving member, for creating a flow of charged toner particles from the surface bearing charged toner particles to the image receiving member, placing a printhead structure having printing apertures and control electrodes in the flow, forming a development zone under the printing apertures for image wise depositing toner particles, from the flow of charged toner particles, on the image receiving member moving the conveyer for charged toner particles to pass the toner bearing surface repeatedly through the development zone, in a direction so as to have the magnetic brush upstream of the development zone and removing, downstream from the development zone, non-used toner particles from the toner bearing surface and collecting them. <IMAGE>

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CPC (source: EP)

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Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 095, no. 008 29 September 1995 (1995-09-29)
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