Title (en)

METHOD AND ARRANGEMENT FOR INKING UP AN APPLICATOR ELEMENT OF AN ELECTROPHOTOGRAPHIC PRINTER OR COPIER

Title (de)

VERFAHREN UND ANORDNUNG ZUM EINFÄRBEN EINES APPLIKATORELEMENTS EINES ELEKTROFOTOGRAFISCHEN DRUCKERS ODER KOPIERERS

Title (fr)

PROCEDE ET DISPOSITIF POUR ENCRER UN ELEMENT APPLICATEUR D'IMPRIMANTE OU DE PHOTOCOPIEUSE ELECTROPHOTOGRAPHIQUE

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Abstract (en)

[origin: WO2005111735A2] The invention relates to a method and arrangement for inking up an applicator element (14) of an electrophotographic printer or copier. A two-component mixture, which is comprised of electrically charged toner particles and of ferromagnetic particles and which adheres to the outer surface of a roller (16), is moved past a surface of an applicator element (14) to be inked up. When the two-component mixture is moved past, at least a portion of the toner particles contained in the two-component mixture is transferred to the surface of the applicator element (14) to be inked up. An electrical field is generated that acts at least upon the portion of the two-component mixture located between the surface of the roller (16) and the surface of the applicator element (14) to be inked up. The strength of the electrical field can be controlled with the aid of a control unit so that the transferred toner particles produce a preset layer thickness on the surface to be inked up.

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