

Title (en)

ELECTROPHOTOGRAPHIC PRINTING PROCESS FOR PRINTING A SUBSTRATE

Title (de)

ELEKTROFOTOGRAFISCHES DRUCKVERFAHREN ZUM BEDRUCKEN EINES TRÄGERS

Title (fr)

PROCEDE D'IMPRESSION ELECTROPHOTOGRAPHIQUE POUR IMPRIMER UN SUPPORT

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Application

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Abstract (en)

[origin: WO9737286A1] The invention concerns an electrophotographic printing process as well as an electrophotographic printer for printing a substrate (20), the process comprising the following steps: a photo-sensitive layered system (70) is brought to a homogeneous initial state by impressing an electrical field having a first direction; the photoconductive layer (74) is exposed with predetermined image structures according to the image (step 108); the entire photoconductive layer is exposed uniformly through the cover layer (72) and/or the electrode layer (76) (step 110); charged toner particles are applied to the cover layer in a development step (step 114); the toner image is then transferred to the substrate (step 116); and, if more than one copy is required, the development step and the transfer step are carried out a number of times, the electrical charge image present inside the layered system being retained (steps 114 to 120) and the substrate being conveyed at very high speed by a conveyer device (16).

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