

Title (en)

IMPROVED ELECTROPHOTOGRAPHIC APPARATUS AND METHOD FOR USE WITH ELECTROPHOTOSENSITIVE TONER

Publication

EP 0000671 A3 19790221 (EN)

Application

EP 78300229 A 19780801

Priority

US 82096077 A 19770801

Abstract (en)

[origin: EP0000671A2] Improved electrophotographic apparatus and method for use with electrophotosensitive toner are disclosed for electrophotographic imaging. Improved image density, color separation and toner background deposition levels are achieved by triboelectrically charging a dry, powdered, electrophotosensitive toner by interaction with an applicator, e.g., a magnetic brush 12 Figure 1, and then moving such toner into contact with an oppositely-charged electrode member 2. Upon exposure of a light image of an original at the interface between the toner and image electrode, the unexposed toner particles transfer to the image electrode and the exposed particles are discharged and not deposited on that member. A positive reproduction of the original is thus formed.

IPC 1-7

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CPC (source: EP)

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Citation (search report)

- GB 950297 A 19640226 - WILHELM UHRIG
- DE 1910068 B2 19720727
- [D] US 3100426 A 19630813 - KAPRELIAN EDWARD K
- [A] US 3703335 A 19721121 - HOFFMAN SANFORD G, et al
- [A] DE 2055993 B2 19770421
- [A] DE 1907903 A1 19690918 - XEROX CORP
- R.M. SCHAFFERT: "ELECTROPHOTOGRAPHY", 1965, FOCAL PRESS, London and New York, page 80 to 81

Cited by

EP0672969A3; GB2223604A; GB2223604B

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