

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

**G03G 15/22**; **G03G 13/01**; **G03G 13/22**; **G03G 15/01**; **G03G 17/00**

IPC 8 full level

**G03G 15/08** (2006.01); **G03G 9/08** (2006.01); **G03G 13/01** (2006.01); **G03G 15/24** (2006.01); **G03G 15/34** (2006.01)

CPC (source: EP)

**G03G 9/08** (2013.01); **G03G 13/016** (2013.01); **G03G 15/24** (2013.01); **G03G 15/344** (2013.01)

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

Designated contracting state (EPC)

BE CH DE FR GB NL

DOCDB simple family (publication)

**EP 0000671 A2 19790207**; **EP 0000671 A3 19790221**; JP S5434835 A 19790314

DOCDB simple family (application)

**EP 78300229 A 19780801**; JP 9408378 A 19780801