

Title (en)  
ELECTROPHOTOGRAPHIC METHOD.

Title (de)  
ELEKTROPHOTOGRAPHISCHES VERFAHREN.

Title (fr)  
PROCEDE ELECTROPHOTOGRAPHIQUE.

Publication  
**EP 0381751 B1 19940112 (EN)**

Application  
**EP 89910393 A 19890809**

Priority  
US 23207388 A 19880815

Abstract (en)  
[origin: WO9001730A1] A multicolor reproduction is made by uniformly charging a photoconductive member (2), imagewise exposing that member to create a first electrostatic image, developing the first electrostatic image with a toner of a first color to create a first toner image, preferably uniformly recharging the photoconductive member, imagewise exposing the charged member creating a second electrostatic image, developing the second electrostatic image by the application of toner of a second color to the exposed areas. The process can be repeated for any number of colors. The multicolor image is then transferred in a single step to a receiving sheet. The second and subsequent development steps are carried out by a magnetic brush developing device (42, 44) employing hard magnetic carrier particles that are tumbled through a development zone which tumbling does not adversely affect the prior toner images. Preferably the hard magnetic carrier particles have a coercivity of at least 100 gauss when magnetically saturated, but more preferably a coercivity of at least 1000 gauss when magnetically saturated. Two multicolor images so formed are transferred to opposite sides of a copy sheet and the images fused simultaneously to provide duplex multicolor images.

IPC 1-7  
**G03G 15/01**

IPC 8 full level  
**G03G 13/01** (2006.01); **G03G 13/09** (2006.01); **G03G 15/01** (2006.01); **G03G 15/06** (2006.01); **G03G 15/23** (2006.01)

CPC (source: EP US)  
**G03G 13/013** (2013.01 - EP US); **G03G 13/09** (2013.01 - EP); **G03G 15/234** (2013.01 - EP); **G03G 2215/0174** (2013.01 - EP)

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 9001730 A1 19900222**; DE 68912299 D1 19940224; DE 68912299 T2 19940707; EP 0381751 A1 19900816; EP 0381751 B1 19940112; JP H03500937 A 19910228

DOCDB simple family (application)  
**US 8903400 W 19890809**; DE 68912299 T 19890809; EP 89910393 A 19890809; JP 50967289 A 19890809