

Title (en)  
ELECTROSTATOGRAPHIC DEVELOPING APPARATUS AND METHOD

Publication  
**EP 0041399 B1 19850130 (EN)**

Application  
**EP 81302440 A 19810602**

Priority  
• US 15580480 A 19800602  
• US 15588980 A 19800602

Abstract (en)  
[origin: EP0041399A2] Electrostatographic developing apparatus including a developer applicator (15) for applying developer material (18) to an electrostatic latent image on a flexible imaging surface (1), the developer material comprising magnetically attractable carrier particles and toner particles. The applicator has within it magnets (16) for establishing a magnetic field having a region (21) of reduced strength in the development zone, and an electric field is established between the applicator and the imaging surface in the development zone. The imaging member (1) passes around a portion of the surface of the applicator (15) so as to be deflected by the applicator and spaced from it in use by at least one layer of carrier particles such that during relative movement between the applicator and the imaging surface, the carrier particles therebetween are caused to make rotational movements. The resulting shearing action on the toner particles, together with the electric field, produces a migration of toner particles towards the imaging surface.

IPC 1-7  
**G03G 15/09**; **G03G 13/09**

IPC 8 full level  
**G03G 15/09** (2006.01)

CPC (source: EP)  
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Citation (examination)  
EP 0032424 A1 19810722 - XEROX CORP [US]

Cited by  
EP0129355A3; DE3540638A1; EP0371734A3; EP0371735A3; EP0371737A3; EP0085503A1

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