

Title (en)

Cleaning apparatus for removing charged liquid toner particles

Title (de)

Reinigungsvorrichtung zum Entfernen von geladenen Flüssigtonerpartikeln

Title (fr)

Dispositif de nettoyage pour enlever des particules de toner liquide

Publication

EP 0813123 B1 20011205 (EN)

Application

EP 97202298 A 19930111

Priority

- EP 97202298 A 19930111
- CA 2153311 A 19930111
- EP 93902581 A 19930111
- NL 9300010 W 19930111
- SG 1995002007 A 19930111

Abstract (en)

[origin: EP1117014A2] Imaging apparatus including: an image-forming surface having formed thereon a latent electrostatic image, the latent electrostatic image including image regions at a first voltage and background regions at a second voltage; a developer surface charged to a third voltage intermediate the first and second voltages and having a second surface urged against and adapted for operative engagement with the image-forming surface at a development region; an applicator assembly operative to apply a layer of concentrated liquid toner comprising charged toner particles and carrier liquid onto the developer surface; a developer operative to develop the latent image by transferring less than the total thickness of the layer of concentrated liquid toner from the developer surface to the image regions of the image-forming surface thereby to form a developed image on the image-forming surface; and apparatus for transferring the developed image from the image-forming surface to a final substrate.

IPC 1-7

G03G 15/10; **G03G 13/00**

IPC 8 full level

G03G 15/10 (2006.01)

CPC (source: EP)

G03G 15/10 (2013.01); **G03G 15/101** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9416364 A1 19940721; AT E164953 T1 19980415; CA 2387330 A1 19940721; CA 2387330 C 20051206; CA 2387333 A1 19940721; CA 2387333 C 20060516; DE 69331288 D1 20020117; DE 69331288 T2 20020718; EP 0813123 A2 19971217; EP 0813123 A3 19980114; EP 0813123 B1 20011205; EP 1117014 A2 20010718; EP 1117014 A3 20010905; EP 1117014 B1 20050914; SG 93172 A1 20021217

DOCDB simple family (application)

NL 9300010 W 19930111; AT 93902581 T 19930111; CA 2387330 A 19930111; CA 2387333 A 19930111; DE 69331288 T 19930111; EP 01201102 A 19930111; EP 97202298 A 19930111; SG 1995002007 A 19930111