

Title (en)

Method and apparatus for reducing fringe field edge effect development in liquid toner electrophotography.

Title (de)

Verfahren und Vorrichtung zur Entwicklung mit Reduktion des Streufeld-Randeffektes in der Flüssigtoner-Elektrophotographie.

Title (fr)

Procédé et dispositif pour le développement avec réduction de champ de dispersion de l'effet de bord dans l'électrophotographie de toner liquide.

Publication

EP 0657786 A1 19950614 (EN)

Application

EP 94110985 A 19940714

Priority

US 16542893 A 19931210

Abstract (en)

A combination developer and toner delivery roller (12) is used to carry a layer of liquid toner (48) to a development nip (46) formed between the conductive surface of roller (12) and the undeveloped, imaged photoconductor surface (44) so as to reduce preexposure of the undeveloped, imaged photoconductor surface (44) to minimize independent fringe field induced edge effect development. The layer of liquid toner (48) is applied to the surface of roller (12) by either contact with an elongated meniscus of liquid toner emanating from elongated slot (22) in toner delivery assembly (14), or by a spray application through a plurality of toner spray nozzles (54). <IMAGE>

IPC 1-7

G03G 15/10

IPC 8 full level

G03G 13/10 (2006.01); **G03G 15/10** (2006.01); **G03G 15/11** (2006.01)

CPC (source: EP)

G03G 15/101 (2013.01)

Citation (search report)

- [X] EP 0481516 A2 19920422 - SEIKO EPSON CORP [JP]
- [A] EP 0223693 A2 19870527 - BENSON INC [US]
- [A] DE 2935270 A1 19800313 - CANON KK
- [X] ANONYMOUS: "TRIBOSPRAY ELECTROSTATIC DEVELOPER", RESEARCH DISCLOSURE, vol. 303, no. 87, July 1989 (1989-07-01), HAVANT GB, XP007113983

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US5802436A; US5805963A; US5754928A; US5737673A; US5893012A; US5713068A; US6091918A; US5596398A; US5758236A; US5576815A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0657786 A1 19950614; **EP 0657786 B1 19980520**; DE 69410411 D1 19980625; DE 69410411 T2 19981217; JP H07199674 A 19950804

DOCDB simple family (application)

EP 94110985 A 19940714; DE 69410411 T 19940714; JP 30403194 A 19941207