

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 B1 19980520 (EN)

Application

EP 94110985 A 19940714

Priority

US 16542893 A 19931210

Abstract (en)

[origin: EP0657786A1] 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

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CPC (source: EP)

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Cited by

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

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