

Title (en)
METHOD AND DEVICE FOR TONING A FERROELECTRIC MATERIAL WITH A LIQUID FILM

Publication
EP 0458230 A3 19930825 (DE)

Application
EP 91108110 A 19910518

Priority
AU PK030890 A 19900524

Abstract (en)
[origin: US5213931A] To predispose toner particles to develop latent images in the form of polarized domains on a ferro-electric recording layer (12), for immediate transfer to a substrate (S), a donor roller (1) is rotated in a bath of liquid dispersed toner particles (4), which are charged; the thickness of the liquid dispersion, and hence of the quantity of donor particles, is controlled by limiting the amount of dispersant liquid toner particle deposit by rotating a limiting roller (9) positioned spaced apart with respect to said donor roller by a tiny gap; sequential rotation of the donor roller past a nkp (14) with the ferro-electric surface layer (12) forms a meniscu between the toner dispersion and, where the polarization of domains of the ferro-electric recording member (12) is opposite the charge polarization of the toner particles, the toner particles will adhere to the ferro-electric recording surface (12) for subsequent transfer to the recording substrate (S).

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G03G 15/10; **G03G 15/056**

IPC 8 full level
G03G 15/06 (2006.01); **G03G 9/125** (2006.01); **G03G 15/056** (2006.01); **G03G 15/10** (2006.01); **G03G 15/22** (2006.01)

CPC (source: EP US)
G03G 9/125 (2013.01 - EP US); **G03G 15/056** (2013.01 - EP US); **G03G 15/101** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0363932 A2 19900418 - ROLAND MAN DRUCKMASCH [DE]
• [A] EP 0091780 A1 19831019 - NEC CORP [JP]
• [A] US 3560204 A 19710202 - DAMM EUGENE P JR

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US 5213931 A 19930525; DE 59107942 D1 19960725; EP 0458230 A2 19911127; EP 0458230 A3 19930825; EP 0458230 B1 19960619; JP 3581371 B2 20041027; JP H04229884 A 19920819

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