

Title (en)
DEGRADABLE RESINS FOR ELECTROSTATIC LIQUID DEVELOPERS.

Title (de)
ABBAUBARE KUNSTSTOFFE FÜR ELEKTROSTATISCHE FLÜSSIGENTWICKLER.

Title (fr)
RESINES DEGRADABLES POUR REVELATEURS LIQUIDES ELETROSTATIQUES.

Publication
EP 0543841 A4 19930301 (EN)

Application
EP 91913894 A 19910618

Priority
US 55238690 A 19900713

Abstract (en)
[origin: WO9201246A1] Electrostatic liquid developer consisting essentially of (A) nonpolar liquid having Kauri-butanol value less than 30, present in major amount, (B) particles, average by area particle size of less than 10 μ m, of a degradable polymeric resin as defined, and (C) nonpolar liquid soluble ionic or zwitterionic charge director compound. Optionally a colorant and an adjuvant compound are present. Process of preparation of electrostatic liquid developers is described. The developer is useful in copying, making proofs including digital color proofs, lithographic printing plates, and resists. The developer particles can be readily removed from the printed material, such as paper, by degradation of the polymer. If the polymeric resin is depolymerized, the monomer and low molecular weight units can be recycled by being repolymerized, or discarded in a landfill as a biodegradable environmentally benign by-product.

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G03G 9/12

IPC 8 full level
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Citation (search report)

- [Y] WO 8903678 A1 19890505 - STOLLE RES & DEV [US]
- [Y] EP 0282964 A2 19880921 - DU PONT [US]
- [Y] EP 0317969 A2 19890531 - DU PONT [US]
- [A] US 4104066 A 19780801 - WILLIAMS MEURIG W
- [Y] PATENT ABSTRACTS OF JAPAN vol. 11, no. 308 (P-624)(2755) 8 October 1987 & JP-A-62 98 365 (RICOH CO LTD) 7 May 1987
- [A] DATABASE WPIL Section Ch, Week 1388, Derwent Publications Ltd., London, GB; Class A05, AN 88-088017 [13] & JP-A-63 038 951 (KONISHIROKU PHOTO KK) 19 February 1988
- See references of WO 9201246A1

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