

Title (en)

Electrophotographic toner and contact development method using the toner

Title (de)

Elektrophotographischer Toner und Entwicklung nach dem Kontaktverfahren unter Verwendung derselben

Title (fr)

Révéléateur électrophotographique et procédé de développement par contact l'utilisant

Publication

EP 0747774 A3 19970416 (EN)

Application

EP 96304293 A 19960607

Priority

JP 14080395 A 19950607

Abstract (en)

[origin: EP0747774A2] An electrophotographic toner comprises a polyester resin and an electric charge control resin have a functional group which enables the toner to be positively charged. The polyester resin has an acid value of not more than 10 mgKOH/g and a hydroxyl value of not more than 40 mgKOH/g, and the functional group is present in a proportion of 2 to 5 mol % in the electric charge control resin. The invention also concerns a contact development method using this toner with a single-layer positive charge type organic photoconductor to visualise an electrostatic latent image as a toner image. <IMAGE>

IPC 1-7

G03G 9/087

IPC 8 full level

G03G 9/087 (2006.01); **G03G 9/09** (2006.01)

CPC (source: EP)

G03G 9/08755 (2013.01); **G03G 9/08791** (2013.01); **G03G 9/0904** (2013.01)

Citation (search report)

- [X] EP 0643336 A2 19950315 - KAO CORP [JP]
- [X] EP 0380813 A1 19900808 - AGFA GEVAERT NV [BE]
- [X] EP 0087988 A2 19830907 - XEROX CORP [US]
- [X] US 4840863 A 19890620 - OTSU AKIRA [JP], et al
- [X] US 5198320 A 19930330 - VREELAND WILLIAM B [US], et al
- [X] FR 2256442 A1 19750725 - KAO CORP [JP]
- [X] FR 2256443 A1 19750725 - KAO CORP [JP]
- [X] US 4837394 A 19890606 - ALEXANDROVICH PETER S [US], et al
- [X] US 4855396 A 19890808 - WILSON JOHN C [US], et al
- [X] US 4837393 A 19890606 - ALEXANDROVICH PETER S [US], et al
- [X] US 5380616 A 19950110 - AOKI MITSUO [JP], et al
- [PX] EP 0703502 A1 19960327 - TOSHIBA KK [JP], et al

Cited by

EP1246023A3; US5800655A; US7422833B2; WO0229497A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

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