

Title (en)

Electrophotographic toner for negative charging.

Title (de)

Elektrophotographischer Toner für Negativaufladung.

Title (fr)

Toneur électrophotographique pour charger négativement.

Publication

EP 0488744 A1 19920603 (EN)

Application

EP 91311035 A 19911128

Priority

JP 32836390 A 19901128

Abstract (en)

An electrophotographic toner for negative charging comprises an acrylamide copolymer containing sulfonic acid groups as a charge-controlling agent for negative charging and a quaternary ammonium salt having an oxyacid anion as a charge-controlling assistant, a fixing resin and a colorant. The quaternary ammonium salt used as the assistant is incompatible with a fixing resin but dispersible therein. The toner provides a sharp distribution of the charge quantity so that formation of highly charged toner particles which do not contribute to development and lowly charged toner particles which are easily scattered is effectively prevented.

IPC 1-7

G03G 9/087; **G03G 9/097**

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/087** (2006.01); **G03G 9/09** (2006.01); **G03G 9/097** (2006.01)

CPC (source: EP)

G03G 9/08726 (2013.01); **G03G 9/09741** (2013.01); **G03G 9/0975** (2013.01)

Citation (search report)

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- [YP] EP 0430700 A2 19910605 - MITA INDUSTRIAL CO LTD [JP]
- [Y] EP 0330287 A2 19890830 - MITA INDUSTRIAL CO LTD [JP]
- [A] EP 0203818 A2 19861203 - MITA INDUSTRIAL CO LTD [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 14, no. 167 (P-1031)(4110) 30 March 1990 & JP-A-2 022 670 (RICOH) 25 January 1990
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 305 (P-507)(2361) 17 October 1986 & JP-A-61 118 761 (FUJITSU LTD) 6 June 1986

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