

Title (en)

Charge control resin particles for an electrophotographic toner and a method of manufacturing the same

Title (de)

Ladungskontrollharzteilchen für einen elektrophotographischen Toner und Verfahren zu ihrer Herstellung

Title (fr)

Particules de résine de contrôle de charge pour un toner électrophotographique et leur procédé de préparation

Publication

EP 0432946 B1 19970423 (EN)

Application

EP 90313047 A 19901130

Priority

JP 31248189 A 19891130

Abstract (en)

[origin: EP0432946A1] Charge control resin particles are spheroidal particles which are formed by dispersion polymerization and mainly composed of a copolymer consisting of at least one kind of water-soluble monomer having an anionic group of sulfonic, carboxylic or phosphoric type and at least one kind of oil-soluble monomer, the copolymer having a weight-average molecular weight of 3,000 to 50,000 and the resin particles having a volume median size of 1 μ m or more with the ratio D25/D75 of the 25 volume percent integrated diameter D25 to the 75 volume percent integrated diameter D75 being within the range of 1 to 1.4.

IPC 1-7

G03G 9/097

IPC 8 full level

G03G 9/097 (2006.01); **C08F 2/04** (2006.01); **C08F 2/08** (2006.01); **C08F 2/38** (2006.01); **C08F 12/00** (2006.01); **C08F 212/14** (2006.01); **C08F 220/04** (2006.01); **C08L 25/00** (2006.01); **C08L 25/18** (2006.01); **G03G 9/087** (2006.01)

CPC (source: EP)

G03G 9/08791 (2013.01); **G03G 9/08795** (2013.01)

Cited by

EP1340777A1; AU2005203277B2; EP0643337A1; US5500319A; US6911520B2; US6897000B2; US7422833B2; WO0237188A3; WO0229497A3; EP1037119B1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0432946 A1 19910619; **EP 0432946 B1 19970423**; DE 69030557 D1 19970528; DE 69030557 T2 19990819; JP H03171145 A 19910724; JP H0774920 B2 19950809

DOCDB simple family (application)

EP 90313047 A 19901130; DE 69030557 T 19901130; JP 31248189 A 19891130