

Title (en)

Toner for developing electrostatic image

Title (de)

Toner für die Entwicklung elektrostatischer Bilder

Title (fr)

Toner pour le développement d'images électrostatiques

Publication

**EP 0716350 A2 19960612 (EN)**

Application

**EP 95308667 A 19951201**

Priority

JP 32929894 A 19941205

Abstract (en)

A toner for developing electrostatic images includes (a) toner particles having a weight-average particle size of 1 - 9  $\mu$ m, (b) hydrophobized inorganic fine powder having an average particle size of 10 - 90 nm and (c) hydrophobized silicon compound fine powder. The hydrophobized silicon compound fine powder has an average particle size of 5 - 30 nm, and a particle size distribution such that it contains 15 - 45 % by number of particles having sizes of 5 - 30 nm, 30 - 70 % by number of particles having sizes of 30 - 60 nm and 5 - 45 % by number of particles having sizes of at least 60 nm. The hydrophobized silicon compound fine powder having a broad particle size distribution including coarse particles functions to prevent the embedding of the hydrophobized inorganic fine powder (functioning as a flowability improver) from being embedded at the toner particle surfaces, whereby the toner is allowed to exhibit stable performances even in a continuous image formation on a large number of sheets.

IPC 1-7

**G03G 9/08**; **G03G 9/097**

IPC 8 full level

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

CPC (source: EP KR)

**G03G 9/08** (2013.01 - KR); **G03G 9/0825** (2013.01 - EP); **G03G 9/09716** (2013.01 - EP); **G03G 9/09725** (2013.01 - EP)

Cited by

CN110161814A; EP2169467A1; EP1065570A1; US6553849B1; EP1329775A1; EP0980030A1; US8361622B2; US7955773B2; US6849673B2; WO2009010447A1; US6190815B1; EP1324151A2

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