

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 A3 19960911 (EN)

Application
EP 95308667 A 19951201

Priority
JP 32929894 A 19941205

Abstract (en)
[origin: EP0716350A2] A toner for developing electrostatic images includes (a) toner particles having a weight-average particle size of 1 - 9 μ 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.

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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)

Citation (search report)
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• [A] DATABASE WPI Week 9325, Derwent World Patents Index; AN 93-201354, XP002008231
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