

Title (en)

Image forming apparatus, toner, and process cartridge

Title (de)

Bilderzeugungsvorrichtung, Toner und Prozesskartusche

Title (fr)

Appareil de formation d'images, toner et cartouche de traitement

Publication

EP 2068199 A1 20090610 (EN)

Application

EP 07122245 A 20071204

Priority

EP 07122245 A 20071204

Abstract (en)

An image forming apparatus including a fixing device to fix a toner image on a recording medium including a heat roller and an oil applicator to apply a silicone oil to the heat roller, having a system speed of from 500 to 1700 mm/sec, and using a toner including a binder resin including a crystalline polyester resin and an amorphous polyester resin; a fatty acid amide compound; and a colorant, wherein the ratio (W/R) of the height (W) of a peak at a wavenumber of 1638 cm⁻¹ specific for the fatty acid amide compound, to the height (R) of a peak at a wavenumber of 829 cm⁻¹, specific for the amorphous polyester resin, is from 0.010 to 0.040 in an absorption spectrum obtained by an ATR method (total reflectance method) using a Courier transformation infrared (FT-IR) spectrophotometer.

IPC 8 full level

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

CPC (source: EP)

G03G 9/08755 (2013.01); **G03G 9/08782** (2013.01); **G03G 9/08795** (2013.01); **G03G 9/08797** (2013.01); **G03G 15/2025** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

DE FR GB

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