

Title (en)
Electrophotographic image forming method

Title (de)
Elektrofotografisches Bilderzeugungsverfahren

Title (fr)
Procédé de formation d'images électro-photographiques

Publication
EP 2065757 B1 20140430 (EN)

Application
EP 07121966 A 20071130

Priority
EP 07121966 A 20071130

Abstract (en)
[origin: EP2065757A1] An image forming method including electrostatic image forming step, developing step, transferring step, fixing step and oil application step for applying an oil to a fixing member, wherein the toner includes a binder resin, a colorant and a wax, and the relationship $(A2/A1) \times 100 < 200$ is satisfied, wherein A1 represents the area of the oil dropped on a pellet of the toner measured 30 seconds after dropping the oil, and A2 represents the area of the dropped oil measured 24 hours after dropping the oil. Alternatively, the relationships $(X1 - X2) < 0.5$ atomic percent, $X1 > 1.0$ atomic percent, and $X2 > 1.0$ atomic percent, are satisfied, wherein X1 and X2 represent amounts of Si atoms of the silicone oil measured by subjecting the toner image to X-ray photoelectron spectroscopy at times 5 minutes and 24 hours, respectively, after fixing the toner image.

IPC 8 full level
G03G 9/087 (2006.01); **G03G 11/00** (2006.01); **G03G 15/00** (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP)
G03G 9/08755 (2013.01); **G03G 9/08782** (2013.01); **G03G 9/08795** (2013.01); **G03G 11/00** (2013.01); **G03G 15/2025** (2013.01)

Cited by
DE102011004720B4; JPWO2018062013A1; JP2019109438A; US11392051B2; US8304155B2; WO2009145866A1; WO2019124432A1; WO2018062013A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 2065757 A1 20090603; EP 2065757 B1 20140430

DOCDB simple family (application)
EP 07121966 A 20071130