

Title (en)
Toner for electrophotography and production method therefor

Title (de)
Toner für Elektrofotografie und Herstellungsverfahren dafür

Title (fr)
Toner pour électrophotographie et procédé de production associé

Publication
EP 2375290 A3 20120829 (EN)

Application
EP 11002889 A 20110406

Priority
JP 2010088236 A 20100407

Abstract (en)
[origin: EP2375290A2] A toner which can solve problems in durability of the printed matter (smear resistance), in that the toner image is easily broken, and moreover, the printed matter is stained by re-attaching a broken portion to itself or optional portions of near particles thereof, in the case in which external force such as scratching, etc., is applied to printed matter in which images were recorded by an electrophotographic device adopting a flash fixing method which is a non-contacting fixing method. The toner for electrophotography includes at least binder resin, wax and hydrophobic fine particles having a diameter of 1 μm or less, wherein wax domains in the toner particle are dispersed at 0.5 μm or less or the binder resin and the wax are compatibilized, and the hydrophobic fine particles are dispersed in the toner particle. A production method of the toner for electrophotography produces the toner for electrophotography by a melt-kneading and crushing method, wherein wax and binder resin in which hydrophobic fine particles are previously dispersed, are melt-kneaded.

IPC 8 full level
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CPC (source: EP)
G03G 9/081 (2013.01); **G03G 9/08711** (2013.01); **G03G 9/0872** (2013.01); **G03G 9/08755** (2013.01); **G03G 9/08782** (2013.01); **G03G 9/08795** (2013.01); **G03G 9/08797** (2013.01); **G03G 9/09733** (2013.01)

Citation (search report)

- [X] US 2008107987 A1 20080508 - FUKUSHIMA YOSHIHIRO [JP], et al
- [A] JP 2003156881 A 20030530 - RICOH CO LTD

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