

Title (en)

Developing device

Title (de)

Entwicklungsvorrichtung

Title (fr)

Dispositif de développement

Publication

EP 0967528 A2 19991229 (EN)

Application

EP 99111926 A 19990622

Priority

JP 17426098 A 19980622

Abstract (en)

A developing device for developing an electrostatic latent image on a photoconductive member has a developing roller that bears a one-component developer on its surface and develops the electrostatic latent image by contacting the photoconductive member; a supply roller for supplying developer to the developing roller; and a blade that contacts the developing roller so as to regulate a layer thickness of the developer supplied by the supply roller, wherein supposing that the developer has a volume-average particle size represented by Dbk , the developer at this time being maintained on the developing roller as a layer that has been supplied by the supply roller and again formed so as to have a predetermined thickness by the blade after the developing roller, on which the developer was formed as a layer having a predetermined thickness, carried out a black-image developing process, and supposing that the volume-average particle size of the developer is Dwt , the developer at this time being maintained on the developing roller as a layer that has been supplied by the supply roller and again formed so as to have a predetermined thickness by the blade after the developing roller, on which the developer was formed as a layer having a predetermined thickness, carried out a white-image developing process, an inequality, $Dwt/Dbk > 0.8$, is satisfied. <IMAGE>

IPC 1-7

G03G 13/08

IPC 8 full level

G03G 9/08 (2006.01); **G03G 13/08** (2006.01); **G03G 15/08** (2006.01)

CPC (source: EP)

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Cited by

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EP 0967528 A2 19991229; **EP 0967528 A3 20010131**; **EP 0967528 B1 20030903**; CN 1120388 C 20030903; CN 1246663 A 20000308; DE 69910907 D1 20031009; DE 69910907 T2 20040722; JP 2000010404 A 20000114

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