

Title (en)

Developing device

Title (de)

Entwicklungsvorrichtung

Title (fr)

Dispositif de développement

Publication

EP 0967528 A3 20010131 (EN)

Application

EP 99111926 A 19990622

Priority

JP 17426098 A 19980622

Abstract (en)

[origin: EP0967528A2] 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; **G03G 15/08**

IPC 8 full level

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

CPC (source: EP)

G03G 13/08 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 99111926 A 19990622; CN 99110943 A 19990622; DE 69910907 T 19990622; JP 17426098 A 19980622