

Title (en)

Liquid developers having curable liquid vehicles

Title (de)

Flüssigentwickler mit härtbaren flüssigen Trägermaterialien

Title (fr)

Révéléateur liquide comportant des matériaux porteurs liquides durcissables

Publication

EP 0455343 B1 19970423 (EN)

Application

EP 91302757 A 19910328

Priority

US 50158590 A 19900330

Abstract (en)

[origin: EP0455343A1] Disclosed is a liquid developer comprising a colorant and a substantial amount of a curable liquid vehicle having a viscosity of no more than about 500 centipoise and a resistivity of no less than about $10^{<8>}$ ohm-cm. One embodiment of the invention is an electrophoretic liquid developer comprising a substantial amount of a curable liquid vehicle having a viscosity of no more than about 20 centipoise and a resistivity of no less than about $5 \times 10^{<9>}$ ohm-cm, a charge control agent, and colored particles capable of becoming charged and migrating through the liquid vehicle to develop an electrostatic latent image. Another embodiment of the invention is a polarizable liquid developer comprising a colorant and a substantial amount of a curable liquid vehicle having a viscosity of from about 25 to about 500 centipoise and a resistivity of from about $10^{<8>}$ to about $10^{<1>}$ ohm-cm. Yet another embodiment of the invention is a photoelectrophoretic liquid developer comprising a substantial amount of a curable liquid vehicle having a viscosity of no more than about 20 centipoise and a resistivity of no less than about $5 \times 10^{<9>}$ ohm-cm and photosensitive colored particles.

IPC 1-7

G03G 9/12; **G03G 9/125**; **G03G 9/13**; **G03G 17/04**

IPC 8 full level

G03G 9/12 (2006.01); **G03G 9/125** (2006.01); **G03G 9/13** (2006.01); **G03G 17/04** (2006.01)

CPC (source: EP)

G03G 9/12 (2013.01); **G03G 9/125** (2013.01); **G03G 9/131** (2013.01); **G03G 17/04** (2013.01)

Cited by

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0455343 A1 19911106; **EP 0455343 B1 19970423**; DE 69125748 D1 19970528; DE 69125748 T2 19971113; JP 3442406 B2 20030902; JP H06236078 A 19940823

DOCDB simple family (application)

EP 91302757 A 19910328; DE 69125748 T 19910328; JP 6214591 A 19910326