

Title (en)

Photocurable liquid developer, method for producing the same, developing device and image forming apparatus

Title (de)

Lichthärtbarer Flüssigkeitsentwickler, Herstellungsverfahren dafür, Entwicklervorrichtung und Bildformvorrichtung

Title (fr)

Développeur liquide photodurcissable, procédé de production associé, dispositif de développement et appareil de formation d'images

Publication

EP 2348363 B1 20120829 (EN)

Application

EP 10195222 A 20101215

Priority

JP 2010013335 A 20100125

Abstract (en)

[origin: EP2348363A1] A photocurable liquid developer comprising colored resin particles and an electrically insulating liquid that cures by light, wherein the electrically insulating liquid contains an unsaturated group-containing silicone compound represented by General Formula (1) below, where R independently denotes a methyl group or a phenyl group, 1 and m each independently denote an integer of 0 to 100, and X 1 , X 2 and X 3 each independently denote a C1-C6 alkyl group or Substituent A below, with at least one of X 1 , X 2 and X 3 being Substituent A, where R denotes a methyl group or a phenyl group, and n denotes an integer of 2 or 3.

IPC 8 full level

G03G 9/125 (2006.01); **G03G 9/13** (2006.01)

CPC (source: EP)

G03G 9/125 (2013.01); **G03G 9/132** (2013.01); **G03G 9/133** (2013.01)

Cited by

CN111292222A; EP2713211A1; WO2016116151A1; WO2017186724A1; US10353325B2; US10627745B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2348363 A1 20110727; EP 2348363 B1 20120829

DOCDB simple family (application)

EP 10195222 A 20101215