Title (en)

ELECTROSTATIC CHARGE IMAGE DEVELOPER, PROCESS CARTRIDGE, IMAGE FORMING APPARATUS, AND IMAGE FORMING METHOD

Title (de)

BILDENTWICKLER MIT ELEKTROSTATISCHER LADUNG, PROZESSKARTUSCHE, BILDERZEUGUNGSVORRICHTUNG UND BILDERZEUGUNGSVERFAHREN

Title (fr)

RÉVÉLATEUR D'IMAGES À CHARGE ÉLECTROSTATIQUE, CARTOUCHE DE TRAITEMENT, APPAREIL DE FORMATION D'IMAGES ET PROCÉDÉ DE FORMATION D'IMAGES

Publication

EP 4092483 A1 20221123 (EN)

Application

EP 22165828 A 20220331

Priority

- JP 2021085621 A 20210520
- EP 21195638 A 20210908

Abstract (en)

An electrostatic charge image developer containing: a toner containing a toner particle and an external additive; and a carrier containing a magnetic particle and a resin layer covering the magnetic particle, in which the toner particle has a surface property index value of 2.0 or more and 2.8 or less; and the carrier has a surface having a ratio B/A of a surface area B to a planar view area A of 1.020 or more and 1.100 or less, the planar view area A and the surface area B being obtained by three-dimensional analysis of the surface of the carrier.

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/107** (2006.01); **G03G 9/113** (2006.01)

CPC (source: EP)

G03G 9/0827 (2013.01); **G03G 9/108** (2020.08); **G03G 9/1131** (2013.01); **G03G 9/1133** (2013.01); **G03G 9/1134** (2013.01); **G03G 9/1139** (2013.01)

Citation (applicant)

- JP 2019168533 A 20191003 - FUJI XEROX CO LTD
- JP 2011186005 A 20110922 - FUJI XEROX CO LTD
- JP 2008304745 A 20081218 - KONICA MINOLTA BUSINESS TECH

Citation (search report)

- [X] US 2017242354 A1 20170824 - SAITO YUTAKA [JP], et al
- [A] US 2012122026 A1 20120517 - TAGUCHI TETSUYA [JP], et al

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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