

Title (en)

Developing apparatus, image forming apparatus, image forming system and image forming method

Title (de)

Entwicklungsvorrichtung, Bilderzeugungsvorrichtung, Bilderzeugungssystem und Bilderzeugungsverfahren

Title (fr)

Appareil de développement, appareil de formation d'image, système de formation d'image et procédé de formation d'image

Publication

EP 1995642 A2 20081126 (EN)

Application

EP 08005792 A 20080327

Priority

- JP 2007096603 A 20070402
- JP 2007134101 A 20070521
- JP 2007195001 A 20070726
- JP 2007195002 A 20070726
- JP 2007195003 A 20070726

Abstract (en)

A developer carrier has concave portions regularly arranged on the surface thereof and being rotatable with a developer thereon. A contact member is made of an elastic rubber material, is in contact with the surface of the developer carrier, and vibrates with the rotation of the developer carrier. A value obtained by dividing a movement speed of the surface at the time of rotation of the developer carrier by a pitch of the concave portions in a peripheral direction of the developer carrier is smaller than the number of vibrations of the contact member when a loss tangent obtained by dividing a loss elastic modulus of the contact member by a storage elastic modulus is the greatest.

IPC 8 full level

G03G 15/08 (2006.01)

CPC (source: EP)

G03G 15/0812 (2013.01); **G03G 15/0818** (2013.01)

Citation (applicant)

- JP 2007096603 A 20070412 - TOSHIBA CORP
- JP 2007134101 A 20070531 - HOSIDEN CORP
- JP 2007195001 A 20070802 - KUURII COMPONENTS KK
- JP 2007195002 A 20070802 - NAKAYO TELECOMMUNICATIONS
- JP 2007195003 A 20070802 - FUNAI ELECTRIC CO

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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