

Title (en)

Toner cartridge having protrusions engageable with a development case shutter

Title (de)

Tonerkartusche mit vorstehenden Teilen die mit einer Entwicklergehäuseklappe verbunden werden kann

Title (fr)

Cartouche de toneur muni de protubérances pouvant s'engager avec un obturateur d'un boîtier de développement

Publication

EP 0805379 B1 19980805 (EN)

Application

EP 96107354 A 19960509

Priority

US 63877696 A 19960429

Abstract (en)

[origin: EP0805379A1] A toner cartridge for use with a toner developing device (10) includes a toner cartridge body (202) having first and second ends, a toner exhaust port (206) between the first and second ends, a toner cartridge shielding member (204) rotatably mounted on the toner body to open and close the toner exhaust port as the toner body is rotated with respect to the development device and the toner box shielding member, and a pair of protrusions (218) formed on each side of the toner box shielding member. Each of the pair of protrusions are structured to engage a developing device shielding member (614) movably positioned over a toner introduction port of the developing device. Rotation of the toner body with respect to the development device causes each of the pair of protrusions to engage and displace the developing device shielding member to open and close the toner introduction port as the toner exhaust port rotates to align with the toner introduction port. <IMAGE>

IPC 1-7

G03G 15/08

IPC 8 full level

G03G 15/08 (2006.01)

CPC (source: EP)

G03G 15/0855 (2013.01); **G03G 15/0865** (2013.01); **G03G 15/0868** (2013.01); **G03G 15/0886** (2013.01); **G03G 2215/0675** (2013.01)

Cited by

AU2013200139B2; EP1721222A4; US7738818B2; US7783234B2; US8958725B2; US9176426B2; US9207578B2

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 0805379 A1 19971105; **EP 0805379 B1 19980805**; DE 69600491 D1 19980910; DE 69600491 T2 19990128; JP 3931379 B2 20070613; JP H1055103 A 19980224

DOCDB simple family (application)

EP 96107354 A 19960509; DE 69600491 T 19960509; JP 10345397 A 19970421