(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 July 2013 (04.07.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/101349 A2

(51) International Patent Classification:
*G03G 15/08* (2006.01)

(21) International Application Number:
PCT/US2012/065148

(22) International Filing Date:
15 November 2012 (15.11.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/340,911 30 December 2011 (30.12.2011) US

(71) Applicant: **LEXMARK INTERNATIONAL, INC.** [US/US]; IP Law Department, Bldg. 082-1, 740 West New Circle Road, Lexington, KY 40550 (US).

(72) Inventors: **ACOSTA, Benjer, Albaran**; Mondragon Subdivision, Poblacion, Kiamba, Sarangani Province (PH). **LEEMHUIS, James, Richard**; 857 Lauderdale Drive, Lexington, KY 40515 (US). **ROGERS, Matthew, Lee**; 653 Estrella Drive, Lexington, KY 40511 (US). **SCHARF, Bryan, Christopher**; 475 Three Forks Road, Richmond, KY 40475 (US). **CARTER, James, Anthany**; 556 Meadowcrest Park, Lexington, KY 40515 (US). **HACKNEY, Gary, Neal**; 127 Knight Court, Georgetown, KY 40324 (US). **LACTUAN, Katrina, Rosit**; Hillside Talamban, Cebu City (PH). **SEAMAN, Keith**; 2969 Majestic View Walk, Lexington, KY 40511 (US). **VOWELS, Christopher, Gene**; 3126 Nat Rogers Road, Boston, KY 40107 (US). **HALE, Jason**; 134 Primrose Circle, Richmond, KY 40475 (US).

(74) Agent: **TROMP, Justin, Michael**; IP Law Department, Bldg. 082-1, 740 West New Circle Road, Lexington, KY 40550 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published**:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) **Title**: TONER CARTRIDGE HAVING POSITIONAL CONTROL FEATURES

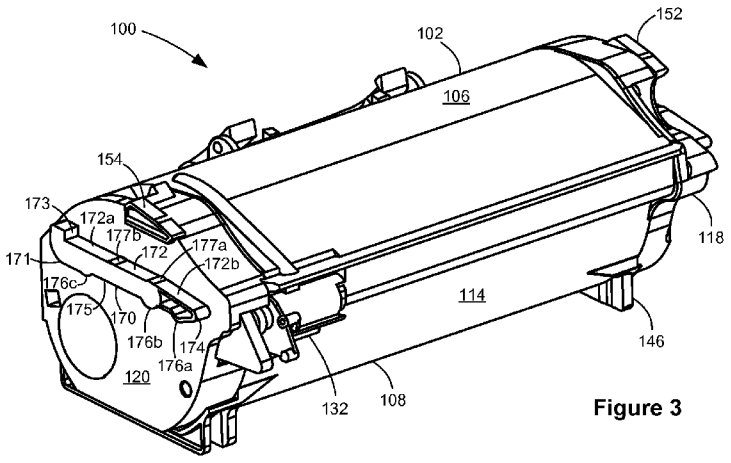



Figure 3

(57) **Abstract**: A toner cartridge for use in an image forming device according to one example embodiment includes a housing having a reservoir for containing toner therein. The housing has an exit port in fluid communication with the reservoir to permit toner from the reservoir to pass out of the housing. A first leg and a second leg each project from a bottom portion of the housing to limit the side-to-side travel of the toner cartridge during insertion into the image forming device. Wing guides are positioned on opposite side surfaces of the housing. A stop extends from each wing guide to limit the forward travel of the toner cartridge in the image forming device. Rounded projections extending from the bottom surfaces of the wing guides define contact points to control the vertical position of the toner cartridge in the image forming device.

WO 2013/101349 A2