

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 May 2008 (29.05.2008)

PCT

(10) International Publication Number
WO 2008/064248 A2

(51) International Patent Classification:
B41J 29/38 (2006.01)

(74) Agent: **GUENTHER, John, P.**; Dykema Gossett PLLC,
39577 Woodward Avenue, Suite 300, Bloomfield Hills, MI
48304 (US).

(21) International Application Number:
PCT/US2007/085279

(22) International Filing Date:
20 November 2007 (20.11.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/562,655 22 November 2006 (22.11.2006) US

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **PLAS-TIPAK PACKAGING, INC.** [US/US]; 41605 Ann Arbor Road, Plymouth, MI 48170 (US).

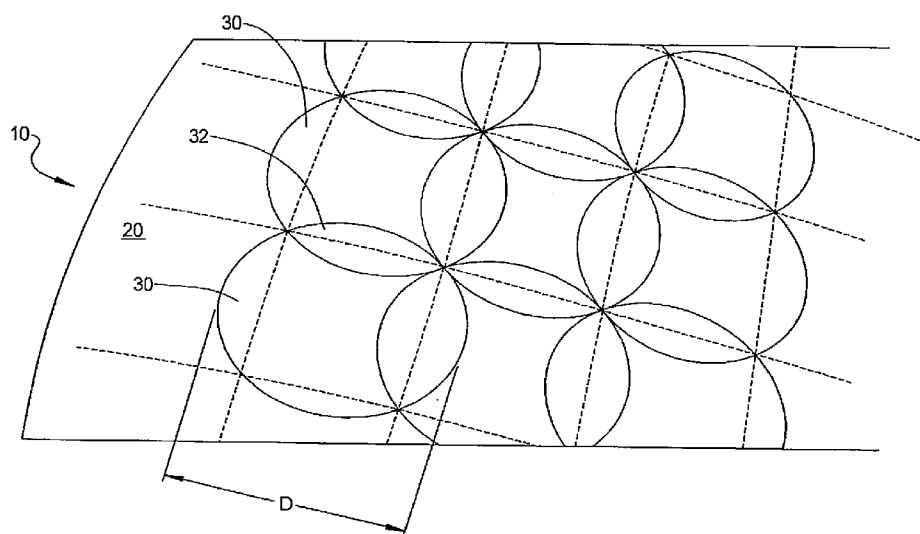
(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **UPTERGROVE, Ronald, L.** [US/US]; 16095 Merion Court, Northville, MI 48168 (US).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DIGITAL PRINTING PLASTIC CONTAINERS



(57) Abstract: A container (10) having a non-planar external surface (20) and a digital image printed thereon by ink droplets (30) is provided. The ink droplets (30) may vary in diameter from about 10 to about 200 microns and the droplets may range from about 200 to about 1200 drops per inch. Methods (40) for digital printing plastic containers are also disclosed.

WO 2008/064248 A2



Published:

- *without international search report and to be republished
upon receipt of that report*