

(51) International Patent Classification:
G11B 23/03 (2006.01) *B65D 85/57* (2006.01)(21) International Application Number:
PCT/US2010/057222(22) International Filing Date:
18 November 2010 (18.11.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/262,169 18 November 2009 (18.11.2009) US
61/314,622 17 March 2010 (17.03.2010) US

(71) Applicant (for all designated States except US): ENTE-GRIS, INC. [US/US]; 129 Concord Road, Billerica, MA 01821 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ANDERSON, Gar-ry [US/US]; 998 Carriage Lane, Chaska, MN 55318 (US). HAILRI, Saiful [MY/MY]; D-560 Kampung Paloh Sungai Kiat, Kuala Terengganu, Terengganu, 20050 (MY). CHUA, Gian, Ping (Vincent) [MY/MY]; 45, Jalan Pegaga 2, Taman Pegaga, Lunas, Kedah, 09600 (MY).

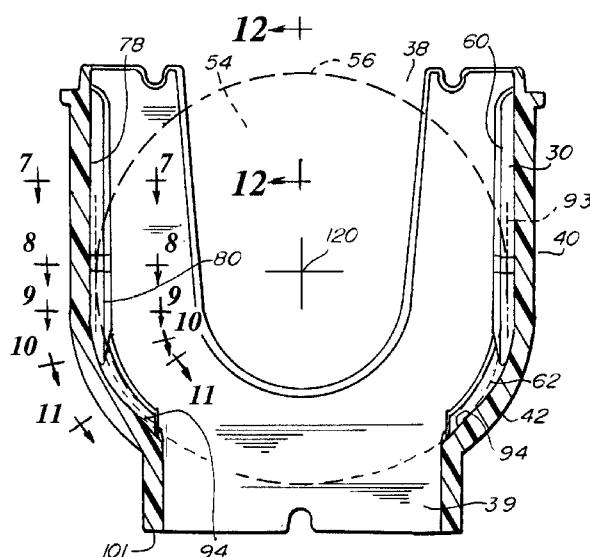
(74) Agents: CHRISTENSEN, Douglas, J. et al.; Patterson Thunte Christensen Pedersen, P.A., 4800 IDS Center, 80 South Eighth Street, Minneapolis, MN 55402-2100 (US).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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).

[Continued on next page]

(54) Title: UNIVERSAL DISK SHIPPER

**Fig. 6**

(57) Abstract: System, methods, and components includes an improved universal disk container for use in transporting, storing and processing data storage disks or other disk-shaped articles; a disk shipping system and method for shipping disks that allows stocking a minimal number of components while still allowing packaging and shipment of different thickness of disks and different capacities of disks in a container; and components that present universality while still minimizing particulate generation, disk damage and providing ease of assembly. A universal disk cassette with slots having a narrowed lower portion configured for handling different disks of the same diameter but different thicknesses while preventing disk to disk contact when the disks are tilted. A universal top cover configured for cassettes loaded with different thicknesses of disks, i.e., a cassette loaded with .025 inch disks, or the same cassette loaded with .050 inch disks. Also the universal top cover configured for use on different capacity disk cassettes, that is a 65 mm disk cassette with a 25 capacity or a 65 mm cassette with a 35 capacity. The universal top cover can readily accommodate disks that are tilted in the cassette, and with vacuum bagging, more securely fix the disks in place in the container.

**Published:****(88) Date of publication of the international search report:**

27 October 2011

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*