



(51) International Patent Classification:

B65D 88/74 (2006.01) **F25D 19/00** (2006.01)
F25D 11/00 (2006.01)

(21) International Application Number:

PCT/US2013/020017

(22) International Filing Date:

3 January 2013 (03.01.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/583,318 5 January 2012 (05.01.2012) US

(71) Applicant: **CARRIER CORPORATION** [US/US]; One Carrier Place, Farmington, Connecticut 06034 (US).

(72) Inventors; and

(71) Applicants (for US only): **CRESSWELL, Kenneth** [US/US]; 5515 Mt. Pleasant Drive, Cazenovia, New York 13035 (US). **CHEN, Yu H.** [US/US]; 4745 Edgeworth Drive, Manlius, New York 13104 (US). **GRAAFF, Wolfgang** [DE/DE]; Mozartstrasse 1A, Hildesheim, 31141 Germany (DE).

(74) Agent: **FOX, David, A.**; 20 Church Street, 22nd Floor, Hartford, Connecticut 06103 (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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

(54) Title: REAR DOOR INFLATABLE DEVICE FOR AN INTEGRATED REFRIGERATED CONTAINER

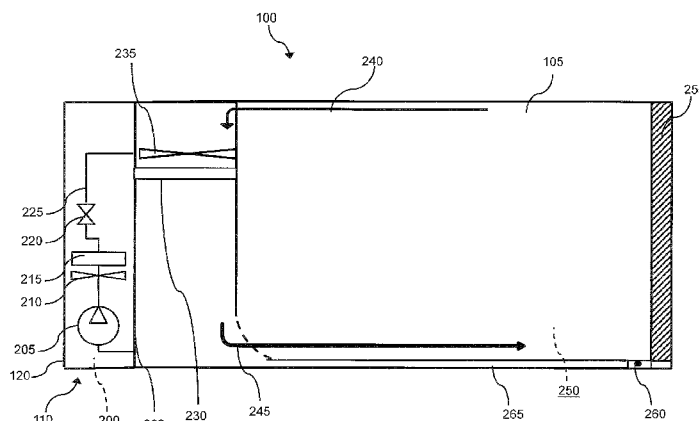


FIG. 2A

(57) Abstract: A method for reducing air leakage from a refrigerated container includes positioning at least one inflatable device about a rear end of the refrigerated container; coupling the at least one inflatable device to one end of an elongated duct located within an interior space of the refrigerated container; coupling a second end of the elongated duct to an outlet port of the evaporator fan; circulating, via the evaporator fan, air through the interior space; and extracting the circulated air through the elongated duct and into the at least one inflatable device.