



(51) International Patent Classification:

F25B 1/10 (2006.01) *F25B 9/00* (2006.01)
F25B 49/02 (2006.01) *F25B 41/04* (2006.01)
F25B 49/00 (2006.01)

(21) International Application Number:

PCT/US2010/052267

(22) International Filing Date:

12 October 2010 (12.10.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/254,280 23 October 2009 (23.10.2009) US

(71) Applicant (for all designated States except US): **CARRIER CORPORATION** [US/US]; One Carrier Place, Farmington, CT 06034 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIU, Lucy, Yi** [US/US]; 5003 Saddlebrook Drive, Fayetteville, New York 13066 (US). **DURASAMY, Suresh** [US/US]; 4046 Plum Yew Circle, Liverpool, New York 13090 (US). **HOFS DAL, Gilbert, B.** [US/US]; 2381 Old Route 5, Chittenango, New York 13037 (US). **HUFF, Hans-Joachim** [US/US]; 7721 Farley Lane, Manlius, New York 13104 (US).

(74) Agent: **HABELT, William, W.**; 250 South Clinton Street, Suite 300, Syracuse, New York 13202 (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).

Published:

- 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))

(54) Title: PARAMETER CONTROL IN TRANSPORT REFRIGERATION SYSTEM AND METHODS FOR SAME

100 ↴

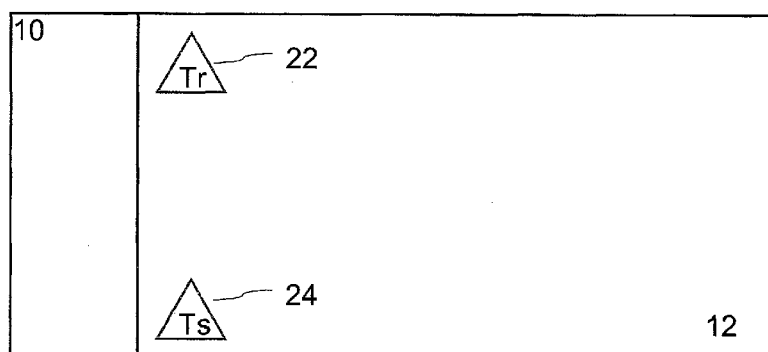


FIG. 1

(57) Abstract: Embodiments of transport refrigeration systems, apparatus, and/or methods for the same can provide exemplary verification for operating characteristics thereof. In one embodiment, a calculated compressor mid stage pressure can be verified using a prescribed relationship to other transport refrigeration system characteristics.