



(51) International Patent Classification:

B60P 3/20 (2006.01) **H04B 5/00** (2006.01)
H04L 12/24 (2006.01) **H04B 7/00** (2006.01)

(21) International Application Number:

PCT/US2010/039193

(22) International Filing Date:

18 June 2010 (18.06.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/219,560 23 June 2009 (23.06.2009) US

(71) Applicant (for all designated States except US): **CARRIER CORPORATION** [US/US]; One Carrier Place, Farmington, CT 06032 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIFSON, Alexander** [US/US]; 8198 Dycus Circle, Manlius, NY 13104 (US). **TARAS, Michael, F.** [US/US]; 5424 Springview Drive, Fayetteville, NY 13066 (US).

(74) Agent: **GETZ, Richard, D.**; O'Shea Getz P.C., 1500 Main Street, Suite 912, Springfield, MA 01115 (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, 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))

[Continued on next page]

(54) Title: PERFORMANCE AND POSITION MONITORING OF A MOBILE HVAC&R UNIT

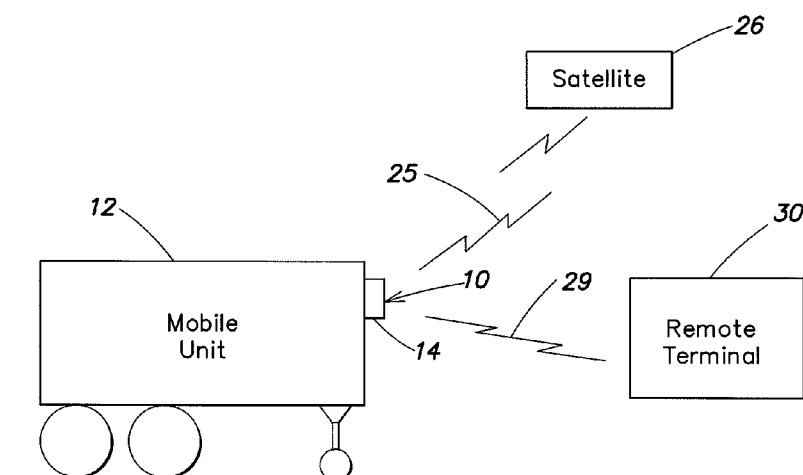


FIG. 1

(57) Abstract: A system for monitoring a mobile refrigerant system including one or more system components is provided. The system includes a global positioning system, a performance monitor, and a processor. The global positioning system includes a receiver that provides a locator signal. The performance monitor provides a monitor signal indicative of operational performance of at least one of the system components of the refrigerant system. The processor is adapted to receive and combine the locator signal and the monitor signal, and produce a combined locator and monitor signal output.





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

31 March 2011