



(51) International Patent Classification:
F16L 25/00 (2006.01)

(21) International Application Number:
PCT/US2011/047630

(22) International Filing Date:
12 August 2011 (12.08.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/373,754 13 August 2010 (13.08.2010) US
61/420,146 6 December 2010 (06.12.2010) US
61/425,595 21 December 2010 (21.12.2010) US
61/433,469 17 January 2011 (17.01.2011) US

(72) Inventors; and

(71) Applicants : PETTERSON, Bart [US/US]; 5988 N. Harbor Town Plaza, Boise, ID 83714 (US). SHIPMAN, Jon [GB/GB]; Highlands, Stinchcombe Hill, Dursley, Gloucestershire GL11 6AQ (GB).

(74) Agent: SHAVER, Robert L.; Dykas & Shaver LLP, PO Box 877, Boise, Idaho 83701 (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, QA, RO, RS, RU,

[Continued on next page]

(54) Title: WELDLESS ALUMINUM BASED HVAC SYSTEM

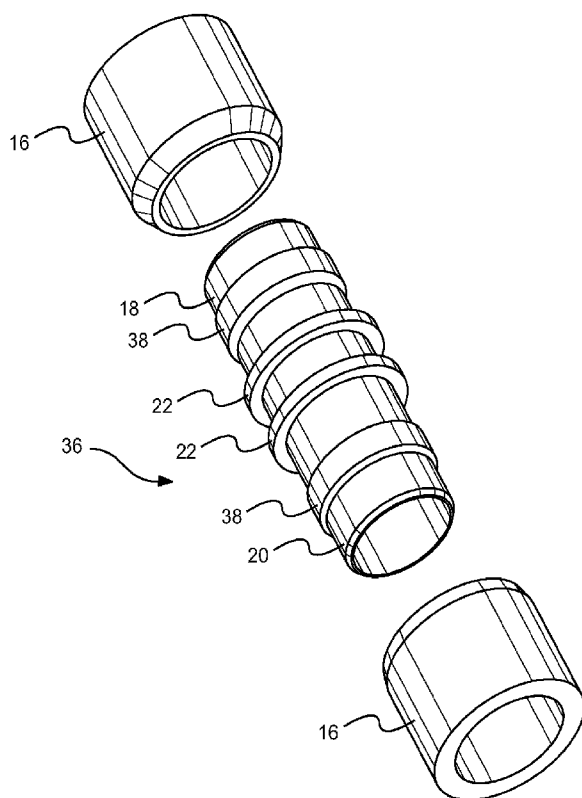


Fig. 2

(57) Abstract: Disclosed is a system for assembling a weldless HVAC system which can utilize aluminum tubing. The system is made of Y connectors, tubing connectors, and sections of tubing connecting a refrigerant source with distributed cooling units. Weldless Joints are made on the job site from standard components by threading and pressing units together.



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.

SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(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,

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)*)