Docket No.: 04-04-2001 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE HEET (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 101667843. Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Derek Y, Kamemoto Name: PARKER-HANNIFIN CORPORATION Internal Address: ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: 6035 PARKLAND BOULEVARD ■ Assignment Merger ☐ Security Agreement ☐ Change of Name _____ State: OH ZIP: 44124 City: CLEVELAND □ Other Execution Date: February 1, 2001 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: February 1, 2001 B. Patent No.(s) A. Patent Application No.(s) 09/198315 Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: CHRISTOPHER H. HUNTER 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Street Address: PARKER-HANNIFIN CORPORATION 8. Deposit account number: 6035 PARKLAND BOULEVARD 16-0325 State: OH ZIP: 44124 City: CLEVELAND DO NOT USE THIS SPACE 4/03/2001 AAHMED1 00000174 160325 09798315 FC:581 40.00 CH 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Sign/ature

Total number of pages including cover sheet, attachments, and document

CHRISTOPHER H. HUNTER

Name of Person Signing

REEL: 011638 FRAME: 0860

March 2

Date

, 2001

PATENT OR DESIGN: SOLE OR JOINT (U.S. and Foreign Rights)

ASSIGNMENT OF APPLICATION FOR PATENT

(Sole or Joint Inventors)

WHEREAS:

FULL NAME(S) AND
POST OFFICE ADDRESS(S)
OF INVENTOR(S) (including country)

Derek Y. Kamemoto 3249 10th Avenue, West Seattle, Washington US 98119 USA

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR DETECTING LOW REFRIGERANT CHARGE

for which application for Letters Patent of the United States has been filed on November 30, 2000 under Serial No. 60/250.215

WHEREAS:

PARKER-HANNIFIN CORPORATION 6035 Parkland Boulevard Cleveland, Ohio 44124-4141 U.S.A.

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possession and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal,

(Assignment of Application for Patent--page 1 of 2)

TITLE OF INVENTION

FULL NAME AND ADDRESS (including country) OF ASSIGNEE

> PATENT REEL: 011638 FRAME: 0861

substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand (Date of Signing) (Signature (Signature)

Warning

DATE OF SIGNING This must be the same as the date of signing of the Declaration and Power of the patent or design application

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above

State of Washington)ss: County of King

RECORDED: 03/02/2001

Before me personally appeared the above named Derek Y. Kamemoto, who acknowledged the execution of the foregoing instrument as his free act and deed on this ____ day of __Febru

COMM. EXP. 11.19.01

Instruction sheet for assignment Signing

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed.

However, if this No witnessing or legalization is necessary. assignment is legalized then it will only be prime facie evidence of the execution of the assignment.

(Assignment for Filed Application for United States Patent--page 2 of 2)

PATENT REEL: 011638 FRAME: 0862