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To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Yoshiaki Takano
- 2) Ikuo Ochi
- 3) Yasuhiro Yamamoto
- 4) Noboru Takagi
- 5) Tetsuo Hirose

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 9, 2001

2. Name and address of receiving party(ies)

1) DENSO Corporation

Street Address: 1-1, Showa-cho

City: Kariya State: Aichi-pref. Japan Zip: 448-8661

2) Pacific Industrial Co., Ltd.

Street Address: 100, Kyutoku-cho

City: Ogaki State: Gifu-pref. Japan Zip: 503-8603

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution data of the application is:

A. Patent Application No.(s)

09/927,611

B. Patent No.(s)

400

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: H. Keith Miller, Esq.

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0750

(Attach duplicate copy of this page if paying by deposit account)

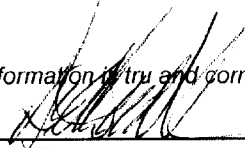
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9. Statement and signature.

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.

H. Keith Miller, Esq.

Name of Person Signing


Signature

10/8/01
Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012253 FRAME: 0536

ASSIGNMENT BY INVENTORS

Sole or Joint

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented

REFRIGERANT CYCLE SYSTEM AND VALVE DEVICE FOR THE SAME

for which the undersigned executed an application for Letters Patent of the United States of America:

(A) _____ even date herewith
 (B) _____ on _____
 (C) X in U.S. Appln. No. 09/927,611 filed August 9, 2001

AND WHEREAS,

DENSO CORPORATION of 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan ; and
PACIFIC INDUSTRIAL CO., LTD. of 100, Kyutoku-cho, Ogaki-city, Gifu-pref., 503-8603 Japan

hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the specification executed by Assignors of even date preparatory to filing a United States application for patent therefor, said invention and all United States applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of United States application for patent and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee(s).

Yoshiaki Takano
 Inventor 1: **Yoshiaki TAKANO**

August 9, 2001
 Date

Satoshi Izawa
 Witness

Ikuo Ochi
 Inventor 2: **Ikuo OCHI**

August 9, 2001
 Date

Shigeo Ito
 Witness

Yasuhiro Yamamoto
 Inventor 3: **Yasuhiro YAMAMOTO**

August 9, 2001
 Date

Satoshi Izawa
 Witness

Noboru Takagi
 Inventor 4: **Noboru TAKAGI**

August 9, 2001
 Date

Tetsuji Endo
 Witness

Tetsuo Hirose
 Inventor 5: **Tetsuo HIROSE**

August 9, 2001
 Date

Hideo Tokai
 Witness