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HEET

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

102143417

To the Honorable Commissioner, please return the attached original documents or copy thereof.

1. Name of conveying party(ies): Hisashi Ieda Ken Matsunaga

06/19/02

Additional name of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies)

Name: DENSO CORPORATION

Address: 1-1, Showa-cho

Kariya-city, Aichi-pref.

448-8661 Japan

Street Address:

City: State: Zip:

Additional Name(s) & address(es) attached? [] Yes [X] No

11040 U.S. PTO 10/175585 06/19/02

3. Nature of conveyance:

- [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Execution Date(s): May 29, 2002

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

10/175585

If this document is being filed together with a new application, the execution date of the application is: May 29, 2002

A. Patent Application No.(s)

B. Patent No.(s)

06/26/2002 HDEMESS1 00000008 10175585

01 FC:581

40.00 DP

Additional numbers attached? [] Yes [] No

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

Name: H. Keith Miller

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/or patents involved: 1

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

- [] Enclosed [] Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No.08-0750. A duplicate copy of this sheet is enclosed.

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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

Name of Person Signing

[Signature]

Signature

June 19, 2002

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: 13034 FRAME: 0414

ASSIGNMENT BY INVENTORS

Sole or Joint

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

AUTOMOTIVE AIR-CONDITIONER HAVING ELECTRIC HEATER AND ELECTRICALLY DRIVEN COMPRESSOR

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

- (A) even date herewith
- (B) on _____
- (C) in U.S. Appln. No. _____ filed _____

AND WHEREAS,

DENSO CORPORATION of 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 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).

Hisashi IEDA
 Inventor 1: **Hisashi IEDA**

May 29, 2002
 Date

Toshinobu Homan
 Witness

Ken MATSUNAGA
 Inventor 2: **Ken MATSUNAGA**

May 29, 2002
 Date

Toshinobu Homan
 Witness

 Inventor 3:

 Date

 Witness

 Inventor 4:

 Date

 Witness

IF ADDITIONAL INVENTORS, check and continue on page 2.