

FORM PTO-1619A Expires 06/30/99 R 0651-0027

08-07-2001

U.S. Department of Commerce Patent and Trademark Office PATENT

7-30-01

RE



101802444

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<input type="checkbox"/> New	<input checked="" type="checkbox"/> Resubmission (Non-Recordation)	<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Security Agreement
<input checked="" type="checkbox"/> Document ID # 101682323		<input type="checkbox"/> License	<input type="checkbox"/> Change of Name
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Conveying Party(ies) Mark if additional names of conveying parties attached

Name (line 1)	Kouji Yamashita	Execution Date	Month Day Year
			10 30 2000
Name (line 2)	[]		
Second Party			
Name (line 1)	Satohisa Yoshida	Execution Date	Month Day Year
			10 30 2000
Name (line 2)	[]		

Receiving Party Mark if additional names of receiving parties attached

Name (line 1)	DENSO CORPORATION		
Name (line 2)	[]		
Address (line 1)	1-1, Showa-cho		
Address (line 2)	[]		
Address (line 3)	Kariya-city	Aichi-pref., Japan	448-8661
	City	State/Country	Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address Enter for the first Receiving Party only.

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Mail documents to be recorded with required cover sheet(s) information to:
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08/06/2001 6TOM11 00000224 09729555
01 FC:581 40.00 OP

Correspondent Name and Address

Area Code and Telephone Number

248-641-1600

Name H. Keith Miller, Esq.

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments

3

Application Number(s) or Patent Number(s)

Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/729,555

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT

PCT

PCT

PCT

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40

Method of Payment:

Enclosed

Deposit Account

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

08-0750

Authorization to charge additional fees:

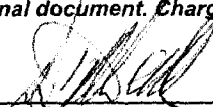
Yes

No

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. Charges to deposit account are authorized, as indicated herein.

H. Keith Miller



July 27, 2001

Name of Person Signing

Signature

Date

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Expires 06/30/99
OMB 0651-0027

**RECORDATION FORM COVER SHEET
CONTINUATION
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U.S. Department of Commerce
Patent and Trademark Office
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Name (line 1) Execution Date
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Patent Number(s)

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ASSIGNMENT BY INVENTORS

Sole or Joint

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented VEHICLE AIR CONDITIONER WITH AUTOMATICAL SELECTION OF FOOT MODE AND FOOT/DEFROSTER MODE

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 _____

DENSO CORPORATION

AND WHEREAS, 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan and TOYOTA JIDOSHA KABUSHIKI KAISHA
1, Toyota-cho, Toyota-city, Aichi-pref., 471-8571 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).

Kouji Yamashita
Inventor 1: Kouji Yamashita

October 30, 2000
Date

Tae Nakagawa
Witness

Satohisa Yoshida
Inventor 2: Satohisa Yoshida

October 30, 2000
Date

Tae Nakagawa
Witness

Makoto Umebayashi
Inventor 3: Makoto Umebayashi

30 Oct. 2000
Date

Tae Nakagawa
Witness

Seiji Kamei
Inventor 4: Seiji Kamei

13 Nov. 2000
Date

Toshihiro Muroki
Witness

Hiroyuki Hotta
Inventor 5: Hiroyuki Hotta

24 Nov. 2000
Date

Terushi Abe
Witness

Hidekazu Uramune
Inventor 6: Hidekazu Uramune

22 Nov 2000
Date

Terushi Abe
Witness

IF ADDITIONAL INVENTORS, check and continue on page 2.