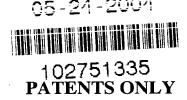
Form PTO-1595 1-31-92





U.S. Department of Commerce Patent and Trademark Office

Our Ref.: 461-150

## **Mail Stop Assignment Recordation Services**

Commissioner of Patents

P.O. Box 1450

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| Alexandra, VA 22515-1450  |  |  |  |  |  |
|---|--|--|--|--|--|
| To the Honorable Commissioner of Patents and Trademarks: Pleas  |  |  |  |  |  |
| 1. Name of conveying party(ies):  | 2. Name and address of receiving party(ies):   |  |  |  |  |
| Mikio ISHIHARA  |  |  |  |  |  |
| Mamoru NISHIMURA  | Name: Denso Corporation  |  |  |  |  |
| Manioru Nishimoka 'S. '. 'S   | Internal Address:  |  |  |  |  |
|   | Street Address: 1-1 Showa-cho Kariya-city  |  |  |  |  |
|   | Street Address: 1-1 Showa-cho Kariya-city  |  |  |  |  |
| Additional name/s of conveying party/ies attached?  |  |  |  |  |  |
| Additional name/s of conveying party/ies attached.  |  |  |  |  |  |
|   | O: A: 1: 6   |  |  |  |  |
| 3. Nature of conveyance:  | City: Aichi-pref.  |  |  |  |  |
| Assignment Merger   | State/Country: Japan   |  |  |  |  |
| ☐ Security Assignment ☐ Change of Name  | Zip: 448-8661  |  |  |  |  |
| Other   |  |  |  |  |  |
|   |  |  |  |  |  |
| Execution Date: October 1, 2003   | Additional name/s & address/es attached?  Yes  No  |  |  |  |  |
|   |  |  |  |  |  |
| 4. Application number(s) or patent number(s):   |  |  |  |  |  |
| 4. Application flumber(s) or patent flumber(s).  If this document is being filed together with a new application, the execution | date of the application is:  |  |  |  |  |
| If this document is being med together with a new application, the execution  | relate of the application is.  |  |  |  |  |
|   |  |  |  |  |  |
| A. Patent Application No(s).  | B. Patent No(s).   |  |  |  |  |
| (1) 10/681,133  | (1)  |  |  |  |  |
| (2)   | (2)  |  |  |  |  |
| (3)   | (3)  |  |  |  |  |
| Additional numbers att  | ached Yes No   |  |  |  |  |
| 5. Name and address of party to whom correspondence   | 6. Total number of applications & patents involved:  |  |  |  |  |
| concerning document should be mailed:   | The state of the s |  |  |  |  |
| concerning document should be maned.  | 7. Total fee (37 CFR 3.41) \$ 40.00  |  |  |  |  |
| NY NO BELL II NO T  | Enclosed   |  |  |  |  |
| Name: Michelle N. Lester  |  |  |  |  |  |
|   | Authorized to be charged to deposit account #14-1140   |  |  |  |  |
| Internal Address:   |  |  |  |  |  |
|   | 8. The Commissioner is hereby authorized to charge any   |  |  |  |  |
| Street Address: Nixon & Vanderhye P.C.  | deficiency in the fee(s) filed, or asserted to be filed, or which  |  |  |  |  |
| 1100 North Glebe Road   | should have been filed herewith (or with any paper thereafter  |  |  |  |  |
| 8 <sup>th</sup> Floor   | filed in this application by this firm) to our <b>Account No.</b>  |  |  |  |  |
|   | 14-1140.   |  |  |  |  |
| City: Arlington State: VA Zip: 22201  | 14-1140.   |  |  |  |  |
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| DO NOT USI  | E THIS SPACE   |  |  |  |  |
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| 9. Statements and signature.  | 4  |  |  |  |  |
| To the best of my knowledge and belief, the foregoing information is true and dorrect and any attached copy is a true copy      |  |  |  |  |  |
| of the original document.   |  |  |  |  |  |
|   |  |  |  |  |  |
| Michelle N. Lester  | May 19, 2004   |  |  |  |  |
| - Ci  | ture Date  |  |  |  |  |
|   | ture Bute  |  |  |  |  |
| Reg. No. 32,331  Total number of pages including <b>original</b> cover sheet, attachments, and document: [5]                    |  |  |  |  |  |
| Total number of pages including <b>original</b> cover sheet, attachments, and document: [5]                                     |  |  |  |  |  |

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**PATENT REEL: 015344 FRAME: 0127** 

## **RECORDATI**

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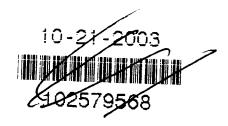
## **Mail Stop Assignment Recordation Services**

Commissioner of Patents

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Alexandria, VA 22313-1450



Our Ref.: 461-150

| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.    |   |  |  |  |
|--|---|--|--|--|
| 1. Name of conveying party(ies):   | 2. Name and address of receiving party(ies):                      |  |  |  |
| Mikio ISHIHARA   | Name: Dance Companyion  |  |  |  |
| Mamoru NISHIMURA   | I Name: Denso Cordoranon  |  |  |  |
|  | Internal Address: Street Address: 1-1 Showa-cho Kariya-city       |  |  |  |
|  | Street Address: 1-1 Showa-cho Kariya-city                         |  |  |  |
| Additional name/s of conveying party/ies attached?   | Internal Address: Street Address: 1-1 Showa-cho Kariya-city       |  |  |  |
|  | T   |  |  |  |
| 3. Nature of conveyance:   | City: Aichi-pref.   |  |  |  |
| Assignment   | State/Country: Japan  |  |  |  |
| Security Assignment Change of Name Other   | Zip: 448-8661   |  |  |  |
| Execution Date: October 1, 2003  | Additional name/s & address/es attached?  Yes  No                 |  |  |  |
| Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution | on date of the application is:  October 1, 2003                   |  |  |  |
| A. Patent Application No(s).   | B. Patent No(s).  |  |  |  |
| (1) To be endined  | (1)   |  |  |  |
| 1110000000000000000000000000000000000  | (2)   |  |  |  |
| (3)  | (3)   |  |  |  |
| Additional numbers at  |   |  |  |  |
| 5. Name and address of party to whom correspondence  | 6. Total number of applications & patents involved:1              |  |  |  |
| concerning document should be mailed:  | 7. Total fee (37 CFR 3.41) \$ 40.00                               |  |  |  |
| Name: Larry S. Nixon   | Total rec (37 CFR 3.41)   3   40.00                               |  |  |  |
| Patric. Larry 5. 14.201  | Authorized to be charged to deposit account #14-1140              |  |  |  |
| Internal Address:  | Traditionized to be charged to deposit account with 1140          |  |  |  |
|  | 8. The Commissioner is hereby authorized to charge any            |  |  |  |
| Street Address: Nixon & Vanderhye P.C.   | deficiency in the fee(s) filed, or asserted to be filed, or which |  |  |  |
| 1100 North Glebe Road  | should have been filed herewith (or with any paper thereafter     |  |  |  |
| 8 <sup>th</sup> Floor  | filed in this application by this firm) to our <b>Account No.</b> |  |  |  |
| City: Arlington State: VA Zip: 22201   | 14-1140.  |  |  |  |
| DO NOT US  | E THIS SPACE  |  |  |  |
| 9. Statements and signature.   |   |  |  |  |
| To the best of my knowledge and belief, the foregoing informa  | ation is true and correct and any attached copy is a true copy    |  |  |  |
| of the original document.  |   |  |  |  |
|  | Y\  |  |  |  |
| Larry S. Nixon   | October 9, 2003   |  |  |  |
| Name of Person Signing Signar Reg. No. 25,640  | ature Date  |  |  |  |
|  | inal cover sheet, attachments, and document: [2]                  |  |  |  |
| 10/14/2003 HMARZI1 00000045 10681133   |   |  |  |  |

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## **U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

| 7 rt<br>JNEE's<br>Name(s)<br>Address(es))                  | DENSO CORPORATION  1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN   |  |   |   |  |
|--|---|--|---|---|--|
|  |   |  |   |   |  |
| mu.  | (hereinafter "ASSIGNEE"), the receipt transfers to ASSIGNEE the entire and EXHAUST GAS PURIFYING  | exclusive right, title and interest to the   | he invention entitled   | s, assigns and  |  |
| (Title of<br>Invention)                                    | AREA AND METHOD FOR MANUFACTURING THE SAME  |  |   |   |  |
|  | relating to International Patent Applica<br>of the United States was executed on ev   | tion PCT/JP/_ ren date herewith or, if not so execut   | and/or for which application for led, was:  | Letters Patent  |  |
| Insert date of execution of application, f not concurrent) | (a) executed on   |  | reby authorized to insert in (b) the sp   | ecified   |  |
|  | and to said application and all Letters I renewal, substitute, reissue or reexamin: Patent(s) may be granted and including Patent(s)").   | ation application based thereon, for<br>any extensions thereof (collectively,  | the full term or terms for which the sa<br>hereinafter, "said application(s) and L  | id Letters<br>etters  |  |
|  | The ASSIGNOR agree(s), what ASSIGNEE, to do all acts which the Assignee and invention, said Letters Patent(s), in any interferent proceeding which may arise or be declared including separate assignments and declared producing evidence. | SSIGNEE may deem necessary, desir<br>including in the preparation and pro-<br>ce, reissue, reexamination, or public<br>red in relation to same, such acts to | esecution of said application(s) and the<br>use proceeding, and in any litigation of<br>include but not be limited to executing | aining and<br>is issuance of<br>or other legal<br>g all papers, |  |
|  | IN WITNESS WHEREOF, t   | he undersigned inventor(s) has (have   | e) affixed his/her/their signature(s).  |   |  |
| (Signatures)   | 1) Mikic Lahihaza (SIGNATURE)   | Mikio Ishihara   | October 1, 2003   |   |  |
|  | 2 Mamoru Nishimura  | Mamoru Nishimura   | October 1, 2003   |   |  |
|  | (SIGNATURE)   | (TYPE NAME)  | (DATE)  |   |  |
|  | 3)(SIGNATURE)   | (TYPE NAME)  | (DATE)  |   |  |
|  | 4)(SIGNATURE)   | (TYPE NAME)  | (DATE)  |   |  |
|  | 5)(SIGNATURE)   | (TYPE NAME)  | (DATE)  |   |  |
|  | 6]  | (TYPE NAME)  | (DATE)  |   |  |

**RECORDED: 05/24/2004** 

PATENT REEL: 015344 FRAME: 0129