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07-24-2002

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Patent and Trademark Office



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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):  
**Kimito HORIE**  
**Koichi TAKEDA**  
*07/16/02*  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
Name: **Oki Electric Industry Co., Ltd.**  
Address: **7-12, Toranomom 1-chome, Minato-ku**  
City: **Tokyo** State/Prov.:  
Country: **Japan** ZIP:  
Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **May 14, 2002, May 25, 2002**

4. Application number(s) or patent numbers(s): *10/195458*  
If this document is being filed together with a new application, the execution date of the application is: **May 14 & 25, 2002**  
Patent Application No. Filing date  
**NEW July 16, 2002**  
*07/19/2002 CCHAUI 00000118 10195458*  
*03 FC:581 40.00 DP*  
Additional numbers  Yes  No

B. Patent No.(s)  
 Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **ANDREW J. TELESZ, JR.**  
Registration No. **33,581**  
Address: **VOLENTINE FRANCOS, P.L.L.C.**  
**12200 SUNRISE VALLEY DRIVE, SUITE 150**  
City: **RESTON** State/Prov.: **VA**  
Country: **USA** ZIP: **20191**

6. Total number of applications and patents involved: **1**  
7. Total fee (37 CFR 3.41):.....\$ **40.00**  
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
 Authorized to be charged to deposit account  
8. Deposit account number:  
**50-0238**  
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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.*  
**ANDREW J. TELESZ, JR.** *Andrew J. Telesz, Jr.* **July 16, 2002**  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and **3**

PTO 10/195458  
07/16/02

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS     Kimito HORIE and Koichi TAKEDA    

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to     "TRANSITION ; SIGNAL CONTROL UNIT AND DMA CONTROLLER AND TRANSITION SIGNAL CONTROL PROCESSOR USING "TRANSITION ; SIGNAL CONTROL UNIT"      
[ X ] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  
[   ] said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_ authorization being hereby given to my attorneys, **Raymond C. Jones and Adam C. Volentine** of **VOLENTINE FRANCOS, PLLC**, 12200 Sunrise Valley Drive Suite 150, Reston, Virginia 20191, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;  
[   ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. ) \_\_\_\_\_, the United States of America being designated.

AND WHEREAS     Oki Electric Industry Co., Ltd.    

    of 7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan    

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;  
**NOW THIS WITNESSETH**, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.  
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.  
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED,     May 14    , 2002.

WITNESS:

Signature:     Isao Kudo    

ASSIGNOR:

Signature:     Kimito Horie    

Name:     Kimito HORIE    

VOLENTINE FRANCOS, PLLC

Attorney Reference \_\_\_\_\_

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

EXECUTED, May 25, 2002.

**WITNESS:**

**ASSIGNOR:**

Signature: Tetsuo Uekazawa

Signature: Koichi Takeda

Name: Koichi TAKEDA

EXECUTED, \_\_\_\_\_, 2002.

**WITNESS:**

**ASSIGNOR:**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

EXECUTED, \_\_\_\_\_, 2002.

**WITNESS:**

**ASSIGNOR:**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

VOLENTINE FRANCOS, PLLC.