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U.S. DEPARTMENT OF COMMERCE
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):
Takashi TAMAKI

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

10/30/2950
11/25/02

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: **September 27, 2002**

4. Application number(s) or patent numbers(s): **101302950**

If this document is being filed together with a new application, the execution date of the application is: **September 27, 2002**

| Patent Application No. | Filing date | B. Patent No.(s) |
|------------------------|--------------------------|------------------|
| NEW | November 25, 2002 | |

11/26/2002 SMINASS1 00000039 10302950
02 FC:8021 40.00 DP

Additional numbers Yes No

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

Name: **ADAM C. VOLENTINE**

Registration No. **33,289**

Address: **VOLENTINE FRANCOS, P.L.L.C.**

12200 SUNRISE VALLEY DRIVE, SUITE 150

City: **RESTON** State/Prov.: **VA**

Country: **U.S.A.** 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

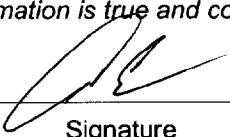
Authorized to be charged to deposit account

8. Deposit account number: **50-0238**

(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.

ADAM C. VOLENTINE  **November 25, 2002**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **2**

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

PATENT
REEL: 013521 FRAME: 0176

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Takashi TAMAKI

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to "DISPLAY DEVICE USING LIGHT-EMITTING ELEMENTS"

[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, Sep. 27 , 2002.

WITNESS:

ASSIGNOR:

Signature: Takashi Ishizaki

Signature: Takashi Tamaki

Name: Takashi TAMAKI

VOLENTINE FRANCOS, PLLC

Attorney Reference _____