

07-24-1998

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeForm PTO-1595  
1-31-92

Q-45410

100773893

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Hideya MURAI

Additional name(s) of conveying party(ies) attached?  
☐ yes ☒ no

## 2. Name and address of receiving party(ies)?

Name: NEC CORPORATION

Street Address: 7-1, Shiba 5-chome  
Minato-ku, Tokyo, Japan

## 3. Nature of Conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherAdditional name(s) & address(es) attached?  
☐ yes ☒ no

Execution Date: May 9, 1997

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

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

A. Patent Application No.(s)

08/855,992

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

J. Frank Osha, Esq.  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3202

## 6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00  
☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

## 8. Deposit Account No.

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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.

J. Frank Osha

Reg. No. 24,625

October 27, 1997

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:

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Box Assignments

Washington, D.C. 20231

PATENT

REEL: 9329 FRAME: 0756

12/10/1997 T10N11 00000004 MURCI H 40.00 OF 01 FC581

# Assignment

Whereas, I/~~We~~,

HIDEYA MURAI  
Tokyo, Japan

of

hereinafter called assignor(s), have invented certain improvements in

LIQUID CRYSTAL DISPLAY APPARATUS HAVING HIGH WIDE VISUAL  
ANGLE AND HIGH CONTRAST

and executed an application for Letters Patent of the United States of America therefor on

May 9, 1987; and

Whereas,

NEC Corporation  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan

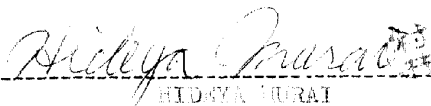
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and  
to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt where of is hereby acknowledged,

I/~~We~~, the above named assignor(s), hereby sell, assign and transfer to the above named assignee,  
its successors and assigns, the entire right, title and interest in the application and the invention  
disclosed therein for the United States of America, including the right to claim priority under  
35 U.S. Code 119, and I/~~We~~ request the Commissioner of Patents to issue any Letters Patent granted  
upon the invention set forth in the application to the assignee, its successors and assigns; and I/~~We~~  
will execute without further consideration all papers deemed necessary by the assignee in connection  
with the United States application when called upon to do so by the assignee.

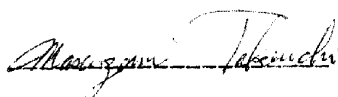
Signed at Tokyo, Japan

on May 9, 1987

  
HIDEYA MURAI

Witness

Date

  
Masayuki Takemura

May 11  
1987

  
Hideya Murai

May 11  
1987

PATENT

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. 261)  
(Form for foreign applicants from Convention Countries)

**PATENT APPLICATION**

IN THE UNITED STATES AND TRADEMARK OFFICE

In re application of

Hideya **MURAI**

Appln. No.: 08/855,992

Group Art Unit: 2515

Filed: May 14, 1997

Examiner:

For: LIQUID CRYSTAL DISPLAY APPARATUS HAVING HIGH WIDE  
VISUAL ANGLE AND HIGH CONTRAST

**RESUBMISSION OF ASSIGNMENT DOCUMENT**

**MRD**  
**3.9.98**

**ASSIGNMENT BRANCH**

Assistant Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sirs:

In response to a communication received from the U.S.  
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Assignment is being resubmitted herewith for recordation.  
The PTO Form 1595 which bears the original indication of  
payment for the Assignment Recordation is submitted herewith.  
Please note that the PTO Form 1595 now identifies the  
application number.

After recordation, please return the Assignment to the  
undersigned.

Respectfully submitted,

-----  
J. Frank Osha  
Registration No. 24,625

SUGHRUE, MION, ZINN,  
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2100 Pennsylvania Avenue, N.W.  
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Date: **4/14/98**



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**SECOND RESUBMISSION OF ASSIGNMENT DOCUMENT**

**ASSIGNMENT BRANCH**

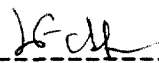
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undersigned.

Respectfully submitted

  
-----  
J. Frank Osha  
Registration No. 24,625

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Date: **JUL 16 1998**