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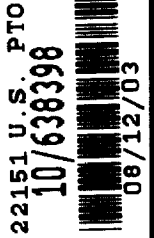
1. Name of conveying party(ies):

Naoki MATSUNAGA  
Kenji SERA  
Mitsuasa TAKAHASHI

8-12-03

2. Name and address of receiving party(ies):

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



Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: July 28, 2003

Additional name(s) & address(es) attached?  Yes  No

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

10638398

If this document is being filed together with a new application, the execution date of the application is: July 28, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

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Howard L. Bernstein for  
J. Frank Osha

Reg. No. 25,665  
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PATENT  
REEL: 014396 FRAME: 0285

# Assignment

Whereas, I/We, NAOKI MATSUNAGA, KENJI SERA and MITSUASA TAKAHASI of Tokyo, Japan

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

THIN-FILM SEMICONDUCTOR DEVICE AND LIQUID CRYSTAL DISPLAY

and executed an application for Letters Patent of the United States of America therefor on July 28, 2003; 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 whereof 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.C. §119, and I/we request the Director - U.S. Patent and Trademark Office 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.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: July 28, 2003 Naoki Matsunaga   
s/ NAOKI MATSUNAGA

Date: July 28, 2003 Kenji Sera   
s/ KENJI SERA

Date: July 28, 2003 Mitsuasa Takahashi   
s/ MITSUASA TAKAHASHI

Witness:  
Date: July 28, 2003 Asato Kimura  
s/

Date: July 28, 2003 [Signature]  
(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)