

09-11-2000

NEC 00FN048

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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):

Muneo Maruyama Mamoru Okamoto  
Takahiko Watanabe Michiaki Sakamoto  
Hironori Kikkawa Shinichi Nakata  
Yuji Yamamoto Yoshitaka Horie  
Masanobu Hidehira

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

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

Name: NEC CORPORATION

Internal Address: \_\_\_\_\_

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

City: Tokyo State: JAPAN ZIP: 108

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

## 3. Nature of conveyance:

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

Execution Date: August 28, 2000

## 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: August 28, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09/07/2000 PALLN 00000040 09650616

02 FC:581

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Norman P. Soloway

Internal Address: \_\_\_\_\_

Street Address: HAYES, SOLOWAY, HENNESSEY, GROSSMAN & HAGE  
175 Canal Street

City: Manchester State: NH ZIP: 03101

6. Total number of applications and patents involved: 

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

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

08-1391

(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.

Norman P. Soloway  
Name of Person Signing

Signature

August 30, 2000

Date

Total number of pages comprising cover sheet: 5

PATENT  
REEL: 011046 FRAME: 0242

DOFNO48US  
(FJIMAKI)ASSIGNMENT

## FOREIGN - IN THE UNITED STATES OF AMERICA

I/we Muneo MARUYAMA, Takahiko WATANABE, Hironori KIKKAWA, Yuji YAMAMOTO,  
Mamoru OKAMOTO, michiaki SAKAMOTO, Shinichi NAKATA, Masanobu HIDEHIRA and  
Yoshitaka HORIE

of c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

having invented certain inventions and improvements in LIQUID CRYSTAL DISPLAY AND  
METHOD OF FABRICATING THE SAME

and having executed an application for Letters Patent of the United States of America describing the same and based thereon on August 28, 2000; (and I/we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, when known, Serial No. \_\_\_\_\_, filed \_\_\_\_\_), for good and valuable consideration, the receipt of which is hereby acknowledged from NEC CORPORATION, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-Ku, Tokyo, Japan, (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my/our entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United states of America;


And for the same consideration I/we do agree that I/we will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I/we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee;

And I/we do hereby jointly and severally covenant for ourselves and for our legal representatives that I/we have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by us, and that I/we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set our hands and seals on the day and year hereinafter noted.

Sole or first


Inventor's signature Muneo Maruyama  Date August 28, 2000

Full name (typed or printed) Muneo MARUYAMA

Witness: Detashi Ukeni Witness: Theresa Muto

Date: \_\_\_\_\_ Date: \_\_\_\_\_

Second Inventor's


signature Takahiko Watanabe  Date August 28, 2000

Full name (typed or printed) Takahiko WATANABE

Witness: Detashi Ukeni Witness: Theresa Muto

Date: \_\_\_\_\_ Date: \_\_\_\_\_

Third Inventor's

signature Hironori Kikkawa  Date August 28, 2000

Full name (typed or printed) Hironori KIKKAWA

Witness: Detashi Ukeni Witness: Theresa Muto

Date: \_\_\_\_\_ Date: \_\_\_\_\_

Fourth Inventor's

signature Yuji Yamamoto  Date August 28, 2000

Full name (typed or printed) Yuji YAMAMOTO

Witness: Detashi Ukeni Witness: Theresa Muto

Date: \_\_\_\_\_ Date: \_\_\_\_\_

## Fifth Inventor's

Inventor's signature Mamoru Okamoto  Date August 28, 2000Full name (typed or printed) Mamoru OKAMOTOWitness: Hidetoshi Uehara Witness: Hidetoshi Uehara

Date: \_\_\_\_\_ Date: \_\_\_\_\_

## Sixth Inventor's

signature Michiaki Sakamoto  Date August 28, 2000Full name (typed or printed) Michiaki SAKAMOTOWitness: Hidetoshi Uehara Witness: Hidetoshi Uehara

Date: \_\_\_\_\_ Date: \_\_\_\_\_


## Seventh Inventor's

Inventor's signature Shinichi Nakata  Date August 28, 2000Full name (typed or printed) Shinichi NAKATAWitness: Hidetoshi Uehara Witness: Hidetoshi Uehara

Date: \_\_\_\_\_ Date: \_\_\_\_\_

## Eighth Inventor's

Inventor's signature:

Masanobu Hidehira Date August 28, 2000Full name (typed or printed) Masanobu HIDEHIRA

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

## Ninth Inventor's

Inventor's signature:

Yoshitaka Horie Date August 28, 2000Full name (typed or printed) Yoshitaka HORIE

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_