

01-22-2002

Attorney Docket No. 8008-1002

Form PTO-1595

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HEET

U.S. Department of Commerce
U.S. Patent and Trademark Office

101954197

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

1. Name of Conveying Party(ies):

Michiaki SAKAMOTO

Yuji YAMAMOTO

Mamoru OKAMOTO

Shigeru KIMURA

Shinichi NAKATA

Shouichi KUROHA

Masanobu HIDEHIRA

Yoshitaka HORIE

Takayuki ISHINO

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

2. Name and address of receiving party(ies)

Name: NEC CORPORATION

Address: 7-1, Shiba 5-chome, Minato-ku,
Tokyo, Japan11002 U.S. PTO
10/042144
01/11/02

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: _____

Execution Date: 07 January 2002

Additional name(s) and address(es) attached?

☐ Yes☒ No

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

10/042144

This document is being filed with a new application, the execution date of the application is: 07 January 2002

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:

Customer No.: 000466

YOUNG & THOMPSON

Second Floor

745 South 23rd Street

Arlington, VA 22202

Phone: 703-521-2297

6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Sarah Strawser

January 11, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 4

01/15/2002 SS17H1B1 00000036 250120 10042144

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40.00 00

PATENT
REEL: 012471 FRAME: 0195

ASSIGNMENT

WHEREAS, Michiaki SAKAMOTO of Tokyo, Japan, Yuji YAMAMOTO of Kagoshima,
Japan and Mamoru OKAMOTO of Tokyo, Japan

have invented certain new and useful improvements in ACTIVE-MATRIX TYPE LIQUID
CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF
 for which we are about to make application for Letters
 (I/we have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, NEC Corporation, 7-1, Shiba 5-chome,
Minato-ku, Tokyo, Japan is
 desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
 United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of
one Dollars (\$ 1.00)
 to us in hand paid, the receipt of which is hereby acknowledged the said ASSIGNOR
 have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said
ASSIGNEE, NEC Corporation
the full and exclusive right, title, and interest in and to the said invention,
 as fully set forth and described in the:

Delete
 inapplicable
 wording

(a) specification prepared and executed by us on the 7 day of January, 2002

(b) application filed on the _____ day of _____, Serial No. _____

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be
 held and enjoyed by the said ASSIGNEE, NEC Corporation
 for their own use and behoof, and for their legal representatives, to the full end of the term
 for which said Letters Patent are granted, as fully and entirely as the same would have been held by
us had this assignment and sale not been made.

IN TESTIMONY WHEREOF, we hereunto set our hand S and affix our seals at
Tokyo, Japan this 7 day of January, A.D. 2002.

WITNESSES:

Atsushi Ukei
[Signature]

Michiaki Sakamoto (Inventor's full Signature) Michiaki SAKAMOTO
Yuji Yamamoto Yuji YAMAMOTO
Mamoru Okamoto Mamoru OKAMOTO

• State whether the full and exclusive right, or what part of the whole interest is assigned.

ASSIGNMENT

WHEREAS, Shigeru KIMURA of Tokyo, Japan, Shinichi NAKATA of Kagoshima Japan and Shouichi KUROHA of Tokyo, Japan

have invented certain new and useful improvements in ACTIVE-MATRIX TYPE LIQUID

CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

for which we are about to make application for Letters
(I/we have made--or am/are about to make)

Patent of the United States of America;

AND WHEREAS, NEC Corporation, 7-1, Shiba 5-chome,

Minato-ku, Tokyo, Japan is

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

one Dollars (\$ 1.00)

to us in hand paid, the receipt of which is hereby acknowledged the said ASSIGNOR

have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said ASSIGNEE, NEC Corporation

*the full and exclusive right, title, and interest in and to the said invention,
as fully set forth and described in the:

Delete (a) specification prepared and executed by us on the 7 day of January, 2002
inapplicable wording (b) application filed on the _____ day of _____, _____, Serial No. _____,

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be

held and enjoyed by the said ASSIGNEE, NEC Corporation

for their own use and behoof, and for their legal representatives, to the full end of the term

for which said Letters Patent are granted, as fully and entirely as the same would have been held by




us had this assignment and sale not been made.

IN TESTIMONY WHEREOF, we hereunto set our hand S and affix our seals at

Tokyo, Japan this 7 day of January, A.D. 2002

WITNESSES:

Hitachi Ukeni
[Signature]

Shigeru Kimura 
(Inventor's full Signature) Shigeru KIMURA
Shinichi Nakata 
Shinichi NAKATA
Shouichi Kuroha 
Shouichi KUROHA

* State whether the full and exclusive right, or what part of the whole interest is assigned.

ASSIGNMENT

WHEREAS, Masanobu HIDEHIRA and Yoshitaka HORIE both of Tokyo, Japan
and Takayuki ISHINO of Kagoshima, Japan

have invented certain new and useful improvements in ACTIVE-MATRIX TYPE LIQUID
CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF
for which we are about to make application for Letters
(I/we have made--or am/are about to make)

Patent of the United States of America;

AND WHEREAS, NEC Corporation, 7-1, Shiba 5-chome,
Minato-ku, Tokyo, Japan is
desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
United States;

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to us in hand paid, the receipt of which is hereby acknowledged the said ASSIGNOR
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ASSIGNEE, NEC Corporation
the full and exclusive right, title, and interest in and to the said invention,
as fully set forth and described in the:

Delete
inapplicable
wording

(a) specification prepared and executed by us on the 7 day of January, 2002,

(b) application filed on the day of , Serial No. ,

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be
held and enjoyed by the said ASSIGNEE, NEC Corporation
for their own use and behoof, and for their legal representatives, to the full end of the term
for which said Letters Patent are granted, as fully and entirely as the same would have been held by
us had this assignment and sale not been made.

IN TESTIMONY WHEREOF, we hereunto set our hand S and affix our seals at
Tokyo, Japan this 7 day of January, A.D. 2002.

WITNESSES:

Tetsu Ueki
Shiro Muto

Masanobu Hidehira
(Inventor's full Signature) Masanobu HIDEHIRA
Yoshitaka Horie
Yoshitaka HORIE
Takayuki Ishino
Takayuki ISHINO

* State whether the full and exclusive right, or what part of the whole interest is assigned.