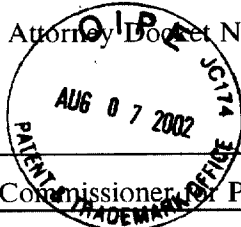


Attorney Docket No. 020528

08-13-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



RECORD#



102188503

Commissioner of Patents: Please record the attached original documents or copy thereof.

Submission type:

- New
- Resubmission (Non-Recordation)
Document ID #: _____
- Correction of PTO Error
Reel # _____ Frame # _____
- Corrective Document**
Reel # 012632 Frame # 0275

8-7-02

Conveyance type:

- Assignment**
- License
- Merger
- Security Agreement
- Change of name
- Other _____

Conveying Party (ies):

(Last, First, Middle Initial)

Execution Date

First party Name: **TAKAHASHI, Naoki** February 14, 2002

Second party Name: **UMEMOTO, Seiji** February 14, 2002

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

Receiving Party (ies):

First party Name: **Nitto Denko Corporation**
Address: 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan

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

Domestic Representative Name and Address

Armstrong, Westerman & Hattori, LLP
Suite 1000, 1725 K Street
Washington, D.C. 20006
(202) 659-2930



23850

PATENT TRADEMARK OFFICE

For Office Use Only

08/12/2002 TDIAZ1 00000037 10079577

01 FD:581

40.00 DP

Correspondent Name and Address

ARMSTRONG, WESTERMAN & HATTORI, LLP
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

Telephone: 202-659-2930

Pages Enter the total number of pages of the attached conveyance document: 3
(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes No

A. Patent Application No.(s)

B. Patent No.(s)

10/079,577

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: _____
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

Enter PCT application number only if
a U.S. Application Number has not been assigned

PCT _____
PCT _____
PCT _____

Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

Enclosed

Authorized to be charged to Deposit Account No.: 01-2340

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.

Nicolas E. Seckel
Name of Person Signing


Signature

August 7, 2002
Date

44,373
Registration No.

03-07-2002

PTO/SB-08 A & B (modified)

Q68637



HEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Form PTO-1595 (modified)
(Rev. 03/01)
OMB No. 0651-0027

102004901

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

1. Name of conveying party(ies):

Naoki TAKAHASHI
Seiji UMEMOTO

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

NITTO DENKO CORPORATION
1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan

02/22/02

JC903 U.S. PTO
10/079577
02/22/02

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: February 14, 2002

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

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: February 14, 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:

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

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 number:

19-4880

(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.

Darryl Mexic

Darryl Mexic

Reg. No. 23,063

February 22, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

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

Commissioner of Patents & Trademarks
Box Assignment
Washington, D.C. 20231

40.00 OP

03/07/02 DBYRNE

00000282 10079577

1 FC:381

Assignment

Whereas, I/We, Naoki Takahashi and Seiji Umemoto both of Osaka, Japan of

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

LIQUID CRYSTAL DISPLAY APPARATUS

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

February 14, 2002 ~~19~~; and

Whereas, NITTO DENKO CORPORATION of 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, 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 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.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: February 14, 2002 s/ Naoki Takahashi

Date: February 14, 2002 s/ Seiji Umemoto

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)