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Docket No.: OSP-29643

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office

Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Tsuneo MIYAMOTO

9/14/09

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): May 15, 2009

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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

Name: NEC Display Solutions, Ltd.

Address: 13-23, Shibaura 4-chome, Minato-ku

City: Tokyo

State/Prov.:

Country: Japan

ZIP: 108-0023

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

4. Application or patent numbers(s):

A. Patent Application No. (s)
12/312,187

- ☐ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Sean M. McGinn, Esq.

Registration No.: 34,386

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State/Prov.: Virginia

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Phone Number: 703-761-4100

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers
Expiration Date
b. Deposit Account Number 50-0481 (deficiencies only)
Authorized User Name Sean M. McGinn

9. Signature:

Signature

September 14, 2009

Date

Sean M. McGinn, Esq.

Name of Person Signing

09/16/2009 M. McGinn
Total number of pages including cover sheet, attachments, and document: 40.00 DP

Documents to be recorded (including cover sheet) should be faxed to (571) 270-0999 or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS
OF ASSIGNOR

(1) Tsuneo MIYAMOTO
13-23, Shibaura 4-chome, Minato-ku, Tokyo
108-0023 Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have
invented and own a certain new and useful invention
entitled:

TITLE OF INVENTION:

LIQUID CRYSTAL DISPLAY APPARATUS AND LIQUID CRYSTAL
DISPLAY APPARATUS CONTROL METHOD

WHEREAS

FULL NAME AND ADDRESS
OF ASSIGNEE

NEC Display Solutions, Ltd.
13-23, Shibaura 4-chome, Minato-ku, Tokyo 108-0023
Japan

(hereinafter referred to as ASSIGNEE), is desirous of
acquiring the entire right, title, and interest in, to and under
said invention and the United States Letters Patent to be
obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be

it known that in consideration of the payment of ASSIGNEE
to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt
of which is hereby acknowledged, and for other good and
valuable consideration, ASSIGNOR, by these presents,
hereby sells, assigns and transfers to ASSIGNEE the entire
and exclusive right, title and interest to said invention and
all Letters Patent of the United States to be obtained
therefor on said application or any continuation, division,
renewal, substitute or reissue thereof for the full term or
terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the
Commissioner of Patents and Trademarks to issue said
Letters Patent of the
United States Patent obtained therefor on said application or any

PATENT

REEL: 023247 FRAME: 0068

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 15th day of May, 2009.

SIGNATURE

By: Tsuneo Miyamoto
Tsuneo MIYAMOTO

WITNESSES

Yumichi Lee
[Signature]
(Assignment of Application for Patent -- page 2 of 2)