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Docket No.: 07USFP1653-K.N.

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To the Director of the United States Patent

8.17.07
a attached original documents or copy thereof.

1. Name of conveying party(ies):
Hiroaki SHIRAI

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

2. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: **August 13, 2007**

2. Name and address of receiving party(ies):
Name: **NEC ELECTRONICS CORPORATION**
Address: **1753 Shimonumabe, Nakahara-ku**

City: **Kawasaki** State/Prov.: **Kanagawa**
Country: **Japan** ZIP: **211-8668**

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

3. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is: **August 13, 2007**

Patent Application No.	Filing date	B. Patent No.(s)

Additional numbers ☐ Yes ☒ No

4. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Sean M. McGinn, Esq.**
Registration No. **34,386**
Address: **McGinn Intellectual Property Law Group, PLLC**
8321 Old Courthouse Road
Suite 200
City: **Vienna** State/Prov.: **Virginia**
Country: **USA** ZIP: **22182-3817**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
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5. 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.

Sean M. McGinn, Esq.
Name of Person Signing

[Signature]
Signature

August 17, 2007
Date

Total number of pages including cover sheet, attachments, and document: **1**

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US165

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

Hiroaki SHIRAI

NAME AND ADDRESS
OF ASSIGNOR

c/o NEC Micro Systems, Ltd., 403-53, Kosugimachi
1-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan

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

TITLE OF INVENTION:

DISPLAY PANEL DRIVE TECHNIQUE FOR REDUCING
POWER CONSUMPTION

WHEREAS

FULL NAME AND ADDRESS
OF ASSIGNEE

NEC Electronics Corporation

1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa
211-8668, 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

(Assignment of Application for Patent — page 1 of 2)

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 13 day of August, 200 7.

SIGNATURE

By: Hiroaki Shirai 
Hiroaki SHIRAI

SIGNATURE

By: _____

SIGNATURE

By: _____

SIGNATURE

By: _____

SIGNATURE

By: _____

SIGNATURE

By: _____

SIGNATURE

By: _____

WITNESSES

Hiroaki Shirai
[Signature]

(Assignment of Application for Patent -- page 2 of 2)