U.S. PTO 12/292203 11/13/2008

ORM PTO-1595 (Modified) Rev. 03-01)
MB No. 0851-0027 (exp.5/31/2002)
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11-25-2008



Docket No.: 08USFP2001.K.F.

U.S. DEPARTMENT OF COMMERC

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Patent and Trademark Offic

| To the Director of the United States Patent and Trademark Office: | | | | | |
|---|--|--|--|--|--|
| 1. Name of conveying party(ies): Hitoshi HIRATSUKA | 2. Name and address of receiving party(ies): Name: NEC Electronics Corporation Address: 1753 Shimonumabe, Nakahara-ku | | | | |
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| Additional names(s) of conveying party(ies) Yes No | | | | | |
| . Nature of conveyance/Execution Date(s): Execution Date(s): November 4, 2008 | | | | | |
| | City: Kawasaki | | | | |
| ☑ Assignment☐ Merger☐ Security Agreement☐ Change of Name | | | | | |
| ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement | State/Prov.: Kanagawa | | | | |
| ☐ Government Interest Assignment | Country: Japan ZIP: 211-8668 | | | | |
| ☐ Executive Order 9424, Confirmatory License | | | | | |
| Other | Additional name(s) & address(es) | | | | |
| . Application or patent numbers(s): | ☑ This document is being filed together with a new application | | | | |
| A. Patent Application No. (s) | B. Patent No.(s) | | | | |
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| Additional numbers atta | iched? 🔲 Yes 🖾 No | | | | |
| . Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents | | | | |
| 3 | | | | | |
| Vame: Sean M. McGinn, Esq. | involved:1 | | | | |
| Name: Sean M. McGinn, Esq. Registration No.: 34,386 | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 | | | | |
| Registration No.: 34,386 | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC | 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 | | | | |
| Registration No.: 34,386 | 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 | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC B321 Old Courthouse Road Suite 200 | 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) | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC 1321 Old Courthouse Road Suite 200 City: Vienna | 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 | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC 321 Old Courthouse Road Suite 200 City: Vienna State/Prov.: Virginia | 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) | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC B321 Old Courthouse Road Buite 200 City: Vienna State/Prov.: Virginia Country: USA ZIP: 22182-3817 | 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 | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC B321 Old Courthouse Road Buite 200 City: Vienna State/Prov.: Virginia Country: USA ZIP: 22182-3817 Phone Number: (703) 761-4100 | 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 | | | | |
| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC B321 Old Courthouse Road Buite 200 City: Vienna State/Prov.: Virginia Country: USA ZIP: 22182-3817 Phone Number: (703) 761-4100 Fax Number: (703) 761-2375 or (703) 761-2376 | 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) | | | | |
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| Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC 321 Old Courthouse Road Suite 200 City: Vienna State/Prov.: Virginia Country: USA ZIP: 22182-3817 Phone Number: (703) 761-4100 Fax Number: (703) 761-2375 or (703) 761-2376 Email Address: admin@mcginniplaw.com Signature: | 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 | | | | |

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PATENT

REEL: 021893 FRAME: 0262

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

Hitoshi HIRATSUKA

NAME AND ADDRESS OF ASSIGNOR

c/o NEC Semiconductors Kansai, Ltd., 9-1, Seiran 2-chome, Ohtsu-shi, Shiga, Japan

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

TITLE OF INVENTION:

DRIVER FOR DISPLAYING DISPLAY DATA AND DISPLAY DEVICE
USING THE DRIVER

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 WHOMIT 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)

PATENT REEL: 021893 FRAME: 0263

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

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 ___ day of __November, 200_ a__.

| SIGNATURE | By: /ditashi /diratsuka 學 Hitoshi HIRATSUKA |
|------------------|--|
| SIGNATURE | Ву: |
| SIGNATURE | Ву: |
| SIGNATURE | By: |
| SIGNATURE | Ву: |
| SIGNATURE | Ву: |
| <u>witnesses</u> | Hajime Masuda |
| | (Assignment of Application for Patent page 2 of 2) |

PATENT

REEL: 021893 FRAME: 0264

ÖRM PTO-1595 (Modified) Rev. 03-01) DMB No. 0651-0027 (exp.5/31/2002) 108A/REV04

RECORDATION FORM COVER SHEET

Docket No.: 08USFP2001.K.F.

U.S. DEPARTMENT OF COMMER

Patent and Trademark Of

PATENTS ONLY

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| To the Director of the United States Patent and Trademark Offic | e: Please record the | attached docume | ents or the new add | fress(es) belov | | |
| l. Name of conveying party(ies): Hitoshi HIRATSUKA | 2. Name and | 2. Name and address of receiving party(ies): | | | | |
| • | Name: NEC | Name: NEC Electronics Corporation | | | | |
| | Address: 17 | Address: 1753 Shimonumabe, Nakahara-ku | | | | |
| Additional names(s) of conveying party(ies) | , | | | | | |
| Nature of conveyance/Execution Date(s): | | | | | | |
| Execution Date(s): November 4, 2008 | | | | | | |
| ☑ Assignment ☐ Merger | City: Kawasa | aki | | | | |
| ☐ Security Agreement ☐ Change of Name | State/Prov.: | Kanagawa | | | | |
| Joint Research Agreement | Country: Ja | pan | ZIP: 211 | -8668 | | |
| Government Interest Assignment | | | | | | |
| ☐ Executive Order 9424, Confirmatory License☐ Other | Additional name | (s) & address(es) | ☐ Yes | Ø N- | | |
| Application or patent numbers(s): | | · · · · · · · · · · · · · · · · · · · | | | | |
| A. Patent Application No. (s) | 1 | | together with a ne | ew application | | |
| 7. Faterit Application No. (3) | b. Palent N | B. Patent No.(s) | | | | |
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| Additional numbers | attached? | ⊠ No | <i>y</i> / | | | |
| Name and address to whom correspondence | 6. Total num | ber of applicati | ons and patents | | | |
| oncerning document should be mailed: | involved: | 1 | | | | |
| lame: Sean M. McGinn, Esq. | 7 Total foo (| 27 CED 4 24/b) | 9 2 44) € 40 00 | | | |
| Registration No.: 34,386 | | 37 CFR 1.21(h) (| | | | |
| ddress: McGinn Intellectual Property Law Group, PLLC | | ☐ Authorized to be charged by credit card☐ Authorized to be charged to deposit account | | | | |
| 321 Old Courthouse Road | - 🖾 Enclose | | d to deposit accor | urit | | |
| uite 200 | | | nent interest not a | ffecting title) | | |
| ity: Vienna | 8. Payment Ir | | | | | |
| tate/Prov.: Virginia | _ | | l | | | |
| ountry: <u>USA</u> ZIP: <u>22182-3817</u> | a. Credit Ca | | - | | | |
| hone Number: (703) 761-4100 | | Expiration | Date | | | |
| ax Number: (703) 761-2375 or (703) 761-2376 | b. Deposit A | Account Number | 50-0481 (deficie | ncies only) | | |
| mail Address: admin@mcginniplaw.com | Authorize | ed User Name | Sean M. McGin | <u>n</u> | | |
| Signature: | | | | | | |
| - SUMILLE | Z- | | November | 13, 2008 | | |
| Signature | | | Da | | | |
| Sean M. McGinn, Esq. | | | | | | |
| Name of Person Signing | | | nurnber of pages including attachments, and docur | | | |
| Documents to be recorded (including cour | or about about he to | 2741070 0440 | | | | |

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

RECORDED: 11/13/2008

PATENT REEL: 021893 FRAME: 0265