**1. Name of conveying party(ies):**
Toshiyuki HARA

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

**Nature of conveyance/Execution Date(s):**
 Execution Date(s): **July 1, 2008**

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

**Application or patent numbers(s):**
A. Patent Application No. (s)

**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

**Signature:**  
Sean M. McGinn, Esq.

**Date:**
July 15, 2008

**Docket No.:** NEC07159US  
**U.S. DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
**07/15/2008**  
**103515635**  
**07-23-2008**  
**12219053**

**U.S. PTO**  
**12/219053**

**Tab settings:** ☐ ☐ ☐ ☒ ☐

**To the Director of the United States Patent and Trademark Office:**

**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

**This document is being filed together with a new application**

**B. Patent No.(s)**

**Additional numbers attached?**
☐ Yes  ☐ No

**Documents to be recorded (including cover sheet, attachments, and document):**

**07/16/2008 020590 00000056 12219053**

**04 FC: 8021 40.00 UP**

**PATENT**  
**REEL: 021280 FRAME: 0034**
ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS OF ASSIGNOR
Toshiyuki HARA
c/o NEC Electronics Corporation, 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan

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

TITLE OF INVENTION:
SEMICONDUCTOR APPARATUS AND METHOD OF MANUFACTURING THE SAME

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 1st day of July, 2008.

By: Toshiyuki HARA

SIGNATURE

WITNESSES

Hajime Masuda

(Assignment of Application for Patent -- page 2 of 2)
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):
   Toshiyuki HARA

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

   DUPLICATE

   Additional numbers attached? □ Yes □ No

3. Name and address 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.: VA
   Country: USA
   ZIP: 22182-3817
   Phone Number: 703-761-4100
   Fax Number: 703-761-2375
   Email Address: admin@mcginniplaw.com

4. Total number of applications and patents involved: __________ 1

5. 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)

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

   Signature: __________________________
   Sean M. McGinn, Esq.
   Name of Person Signing

   Date: July 15, 2008

   Total number of pages including cover sheet, attachments, and document: [Blank]

   Documents to be recorded (including cover sheet) should be faxed to (971)273-0146, or mailed to:
   Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1440, Alexandria, VA 22313-1440

   RECORDED: 07/15/2008
   REEL: 021280 FRAME: 0037