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(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08A/REV03



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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

**Hiroto OHTAKE**  
**Masayoshi TAGAMI**  
**Munehiro TADA**  
**Yoshihiro HAYASHI**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: **NEC Corporation**Address: **7-1, Shiba 5-chome, Minato-ku**

112948 U.S. PTO  
11/31/399  
122305

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

City: **Tokyo** State/Prov.: \_\_\_\_\_Country: **Japan** ZIP: \_\_\_\_\_Execution Date: **December 14, 2005**Additional name(s) & address(es) ☐ Yes ☒ No

## 4. 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: **December 14, 2005**

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: **Paul J. Esatto, Jr.**Registration No. **30,749**Address: **Scully, Scott, Murphy & Presser****400 Garden City Plaza, Suite 300**City: **Garden City** State/Prov.: **New York**Country: **U.S.A.** ZIP: **11530**

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

**19-1013/SSMP**

(Attach duplicate copy of this statement of deposit account)

## 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.***Paul J. Esatto, Jr., Reg. No. 30,749**

Name of Person Signing

Signature

**December 23, 2005**

Date

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

3

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
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**PATENT**  
**REEL: 017416 FRAME: 0289**

## Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, , the undersigned,

Hiroto OHTAKE, Masayoshi TAGAMI, Munehiro TADA and Yoshihiro HAYASHI

Hereby sell, assign and transfer to

NEC Corporation

a corporation

of having a place of business at

7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned

on December 14, 2005 and is entitled

SEMICONDUCTOR DEVICE HAING TRENCH INTERCONNECTION AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request the Commissioner of Patents to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them, disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid United States application under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any

and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: December 14, 2005

Hiroto Ohtake (L.S.)  
Hiroto OHTAKE

Witness: Masato Kimura  
Shiro Ohtake

Date: December 14, 2005

Masayoshi Tagami (L.S.)  
Masayoshi TAGAMI

Witness: Masato Kimura  
Shiro Ohtake

Date: December 14, 2005

Munehiro Tada (L.S.)  
Munehiro TADA

Witness: Masato Kimura  
Shiro Ohtake

Date: December 14, 2005

Yoshihiro Hayashi (L.S.)  
Yoshihiro HAYASHI

Witness: Masato Kimura  
Shiro Ohtake

Date: \_\_\_\_\_

Witness: \_\_\_\_\_

(L.S.)