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To the Honorable Commissioner of F

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22278 U.S. PTO  
10/996456



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1. Name of Conveying Party(ies):  
**Toshifumi TAKAHASHI**  
**Hidetaka NATSUME**

Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies)  
 Name: **NEC Electronics Corporation**  
 Address: **1753 Shimonumabe, Nakahara-ku,  
 Kawasaki, Kanagawa,  
 211-8668, Japan**

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_  
 Execution Date: **November 22, 2004**

Additional name(s) and address(es) attached?  
 Yes  No

11-26-04

4. Application number(s) or patent number(s):  
 This document is being filed with a new application, the execution date of the application is: **November 22, 2004**

A. Patent Application No(s). B. Patent No(s).

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
**Customer No.: 00466**  
**YOUNG & THOMPSON**  
**Second Floor**  
**745 South 23<sup>rd</sup> Street**  
**Arlington, VA 22202**  
**Phone: 703-521-2297**  
**Fax: 703-685-0573**


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

7. Total fee (37 CFR 3.41) ..... **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account No. **25-0120**  
 (Attach duplicate copy of this page if paying by deposit account)

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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.*

**Benoit Castel**  **November 26, 2004**  
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: **2**

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02 FC:8021

40.00 DP

Y&T November 26, 2004

### ASSIGNMENT

WHEREAS,

Toshifumi TAKAHASHI and Hidetaka NATSUME  
of Kanagawa, Japan

hereafter referred to as "applicant(s)", have invented certain new and useful improvements in

SEMICONDUCTOR MEMORY DEVICE

- (a) for which an application for a United States patent was filed on \_\_\_\_\_, Application No. \_\_\_\_\_,
- (b) for which an application for a United States patent was executed on November 22, 2004,

WHEREAS, NEC Electronics Corporation,  
whose address is 1753 Shimonumabe, Nakahara-ku, Kawasaki,  
Kanagawa 211-8668, Japan,

hereinafter referred to as "assignee(s)", is desirous of acquiring the entire right, title and interest in and to the same,

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is acknowledged, and other good and valuable consideration, applicant(s), by these presents, do(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefore in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by applicant(s) had this assignment and sale not been made.

Applicant(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said United States patents to said assignee(s).

Date November 22, 2004

Toshifumi Takahashi  
(signature) Toshifumi TAKAHASHI

Date November 22, 2004

Hidetaka Natsume  
(signature) Hidetaka NATSUME

Date \_\_\_\_\_

(signature)

Date November 22, 2004

Hiroshi Ube  
(signature)

Date November 22, 2004

[Signature]  
(signature)