Atty, Dkt. No. 029471-0168

FORM PTO-1595 (modified)	U.S. DEPARTMENT OF COMMERCE	
(Rev 5-93) RECORDATIO	IN FORM COVER SHEET Patent and Trademark Office	
	ENTS ONLY	
PARENIS UNLI		
To the Director of the United States Patent and Trademark Office; Please record the attached original documents or copies thereof.		
Name of conveying party(ies):	Name and address of receiving party(ies):	
CONTRACTOR OF B		
Hiroyuki TAKAHASHI		
Takuya HIROTA	NEC Electronics Corporation	
Atsushi NAKAGAWA	1753 Shimonumabe, Nakahara-ku	
,	Kawasaki, Kanagawa 211-8668, Japan	
	Tattaballi, Harragatta 211 4440, 445	
Additional conveying party(ies)		
attached? 3. Nature of conveyance:	- 	
ASSIGNMENT		
Execution Date:		
September 2, 2004	Additional name(s) & address(es) attached? NO	
Application number(s) or patent number(s):		
If this is being filed together with a new application, the execution date of the application is:		
A. Patent Application Number(s):	B. Patent Number(s):	
i i		
10/50 7 ,117		
Additional numbers attached? NO		
Name and address of party to whom corresponder	ice 6. Total number of applications/patents involved: 1	
concerning document should be mailed:		
Double & Physiothel	7. Total fee (37 C.F.R. § 3.41): \$40.00	
David A. Blumenthal FOLEY & LARDNER LLP	Check Enclosed	
Washington Harbour		
3000 K Street, N.W., Suite 500	X Charge to deposit account	
Washington, D.C. 20007-5143	8. Deposit account number: 19-0741	
Fax: 202-672-5399	o. Doposit doodalt (1616).	
DO NOT USE THIS SPACE		
Statement and signature:		
To the best of my knowledge and belief, the f	oregoing information is true and correct and any attached copy is a true	
copy of the original document. The Commissioner is	hereby authorized to charge any additional recordation fees which may	
be required in this matter to the above-identified depo	sit account.	
Phille J. Articola David A. Blumenthal	VIII: 1/1 tila Scotishe 20 2000	
<u> </u>	way francos	
プル Name of person signing	Signature Date	
	Reg. No. 38,819	
Total numb	er of pages including cover sheet, attachments, and document: 3	

PATENT

REEL: 015206 FRAME: 0457

09/30/2004 16:34 FAX ☑ 002/003

U.S. Rights-Sole or Joint

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto NEC Electronics Corporation name and 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan address of assignee (hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to title of SEMICONDUCTOR MEMORY DEVICE AND SEMICONDUCTOR MEMORY DEVICE CONTROL METHOD invention as set forth in this United States Patent Application check one executed concurrently herewith executed on September 2, 2004

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

☐ Serial No. PCT/JP03/02095

Filed February 26, 2003

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

PATENT REEL: 015206 FRAME: 0458 09/30/2004 16:35 FAX Ø 003/003

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: Hiroyuki TAKAHASHI	Signature: Misoyuki Tikahash	DateSept . 2.2004
Name: Takuya HIROTA	Signature: Jakusa Idikota	Production -
Name: Atsushi NAKAGAWA	Signature: Atsushi nakazawa	
Name:	Signature:	Date:
Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name:	Signature: Situalia Cla.	DateSept.2,2004
Name:	Signature 7	Date_Sept 2 2004

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

-2-

RECORDED: 09/30/2004