Attorney Docket: 8836-400 (IB14878-US)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Pleased the attached original documents or copy @ereof.							
1. Name of conveying party(ies): Seung-Won LEE	2. Name and address of receiving party(ies):						
Additional name(s) of conveying party(ies) attached? Yes No	Name: SAMSUNG ELECTRONICS CO., LTD., ST. Internal Address: 416, Maetan-dong Yeongtong-qu, Suwon-si, Gyeonggi-do,						
3. Nature of conveyance:							
☑ Assignment ☐ Merger	Republic of Korea						
☐ Security Agreement ☐ Change of Name	Additional name(s) & address(es) attached:						
☐ Other Execution Date: <u>January 3, 2007</u>	☐ Yes 図 No						
	1						
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: January 3, 2007							
A. Patent Application No.(s)	B. Patent No.(s)						
Additional numbers a	attached? Yes No						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>1</u>						
Name: Frank Chau, Esq.	7. Total fee (37 C.F.R. §3.41): \$40.00						
Street Address: F. CHAU & ASSOCIATES, LLC	■ Credit Card Payment Form PTO-2038 enclosed						
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ASSIGNMENT

DOCKET NO.: 8836-400 (IB14878-US)

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE:

SEMICONDUCTOR MEMORY DEVICE CONTROLLING PROGRAM VOLTAGE ACCORDING TO THE NUMBER OF CELLS TO BE PROGRAMMED AND METHOD OF PROGRAMMING THE SAME

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8836-400 (IB14878-US), or is more particularly identified as:

executed on even date herewith, or									
Serial No.	filed	in	the	U.S.	Patent	&	Trademark	Office	or
or									
executed on							1		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and reexamined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)

Date Signed

Seung-Won LEE

2007. Jan. 3

Page 2 of 2

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Yes No Name and address of party to whom Total number of applications and correspondence concerning document patents involved: 1 should be mailed: Frank Chau, Esq. Name: 7. Total fee (37 C.F.R. §3.41): ■ Credit Card Payment Form PTO-2038 Street Address: F. CHAU & ASSOCIATES, LLC enclosed 130 Woodbury Road City: Woodbury State: NY Zip: 11797 ☐ Authorized to be charged to deposit account Deposit account number: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Joseph B. Gross Registration No. 57,109 Name of Person Signing Signature Total number of pages including cover sheet, attachments and documents: Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Mail Stop Assignments, PO Box 1450 Alexandria VA 22313-1450

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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.						
Joseph B. Gross						
Reqistration No. 57,109 Name of Person Signing Signature Date						
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