

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>BEAK-HYUNG CHO</td> <td>05/25/2010</td> </tr> <tr> <td>DO-EUNG KIM</td> <td>05/25/2010</td> </tr> <tr> <td>SANG-BEOM KANG</td> <td>05/25/2010</td> </tr> <tr> <td>WOO-YEONG CHO</td> <td>05/25/2010</td> </tr> <tr> <td>HYUNG-ROK OH</td> <td>05/25/2010</td> </tr> <tr> <td>CHOONG-KEUN KWAK</td> <td>06/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	BEAK-HYUNG CHO	05/25/2010	DO-EUNG KIM	05/25/2010	SANG-BEOM KANG	05/25/2010	WOO-YEONG CHO	05/25/2010	HYUNG-ROK OH	05/25/2010	CHOONG-KEUN KWAK	06/08/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Samsung Electronics Co., Ltd</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong</td> </tr> <tr> <td>City:</td> <td>Yeongtong-gu, Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd	Street Address:	416, Maetan-dong	City:	Yeongtong-gu, Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF						
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CORRESPONDENCE DATA															
<p>Fax Number: (516)692-8889 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 516-692-8888 Email: falvo@chauiplaw.com Correspondent Name: Frank Chau Address Line 1: 130 Woodbury Road Address Line 4: Woodbury, NEW YORK 11797</p>															
ATTORNEY DOCKET NUMBER:	8021-331 CIP 2														
NAME OF SUBMITTER:	Frank Chau														

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**PATENT
 REEL: 024509 FRAME: 0696**

Total Attachments: 3

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DOCKET NO.: 8021-331-CIP2 (SS23691US-CIP2)

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: MEMORY CELL ARRAY BIASING METHOD AND A SEMICONDUCTOR MEMORY DEVICE

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.: 8021-331-CIP2 (SS23691US-CIP2) or is more particularly identified as:

X executed on even date herewith, or

Serial No. 121732,440 filed in the U.S. Patent & Trademark Office on March 26, 2010
or

executed on _____

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 re-examined 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.

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

<u>INVENTOR(S)</u>	<u>Date Signed</u>
1) <u>Beak-hyung cho</u> BEAK-HYUNG CHO	<u>2010/05/25</u>
2) <u>Do -Eung Kim</u> DO-EUNG KIM	<u>2010/05/25</u>
3) _____ CHOONG-KEUN KWAK	_____
4) <u>Sang-beom Kang</u> SANG-BEOM KANG	<u>2010/05/25</u>
5) <u>WOOYEONG CHO</u> WOO-YEONG CHO	<u>2010/05/25</u>
6) <u>HYUNG-ROK OH</u> HYUNG-ROK OH	<u>2010/05/25</u>



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INVENTOR(S)

Date Signed

1) _____
BEAK-HYUNG CHO

2) _____
DO-EUNG KIM

3) Choong-Keun Kwak
CHOONG-KEUN KWAK

2008/06/08

4) _____
SANG-BEOM KANG

5) _____
WOO-YEONG CHO

6) _____
HYUNG-ROK OH

