PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tae Jin Hwang	05/22/2009
Yong Ju Kim	05/22/2009
Sung Woo Han	05/22/2009
Hee Woong Song	05/22/2009
lc Su Oh	05/22/2009
Hyung Soo Kim	05/22/2009
Hae Rang Choi	05/22/2009
Ji Wang Lee	05/22/2009
Jae Min Jang	05/22/2009
Chang Kun Park	05/22/2009

RECEIVING PARTY DATA

Name:	Hynix Semiconductor Inc.	
Street Address:	San 136-1, Ami-ri, Bubal-eub, Ichon-shi	
City:	Gyeonggi-do	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	467-860	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12483413

CORRESPONDENCE DATA

Fax Number: (202)344-8300

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> **PATENT REEL: 022817 FRAME: 0886**

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ATTORNEY DOCKET NUMBER:	75183-270805		
NAME OF SUBMITTER:	Jeffri A. Kaminski Reg. No. 42,709		
Total Attachments: 8 source=assign270805#page1.tif source=assign270805#page2.tif source=assign270805#page3.tif source=assign270805#page4.tif source=assign270805#page5.tif source=assign270805#page6.tif source=assign270805#page7.tif source=assign270805#page8.tif			

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT by <u>HWANG</u>, <u>Tae Jin</u> (hereinafter referred to as Assignor), residing at <u>San 136-1</u>, <u>Ami-ri</u>, <u>Bubal-eub</u>, <u>Ichon-si</u>, <u>Gyeonggi-do 467-860</u>, <u>Republic of Korea</u>;

KIM, Yong Ju (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

HAN, Sung Woo (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

SONG, Hee Woong (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

OH, Ic Su (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

<u>KIM, Hyung Soo</u> (hereinafter referred to as Assignor), residing at <u>San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;</u>

CHOI, Hae Rang (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

LEE, Ji Wang (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

JANG, Jae Min (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

PARK, Chang Kun (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;

WHEREAS, Assignor has invented certain new and useful improvements in RECEIVER OF SEMICONDUCTOR MEMORY APPARATUS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

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WHEREAS, Hynix Semiconductor Inc., a organized under and pursuant to the laws of Republic of Korea having its principal place of business at San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Gyeonggi-do 467-860, Republic of Korea (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the

procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

PATENT

REEL: 022817 FRAME: 0890

		7	Tae Ju Hwang Assignor
			Assignor
Date:	109.5.22		
United States of A	America)	
State of County of	ARTHUR AND ARTHUR ARTHUR AND ARTHUR AND ARTHUR AND ARTHUR AND ARTHUR) ss.:)	
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	Tesu Oh
	Assignor
Date: 2009. 5. 22	
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	Notary Public

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		Assignor
Date: 200°	3.5.22	
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		Jiwang Lee Assignor
Date:	09.5.22	
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