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1. Name of Conveying Party(ies): 2. Name and Address of Receiving Party(ies):	To the honorable Commissioner of Patents and Trac	To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof:				
Street Address: San 136-1, Ami-ri, Bubal-eub Street Address: City: Ichon-shi, Kyoungki-do State/Country: Korea Postal Code: 467-860 Additional name(s) of conveying perny(sea) attached?	Name of Conveying Party(ies):					
Street Address: City: Ichon-shi, Kyoungki-do State/Country: Korea Postal Code: 467-860 Additional name(s) of conveying pathylies) altached?	PARK, JONG-HUN	Name:	Hynix Semiconductor Inc.			
City: Ichon-shi, Kyoungki-do State/Country: Korea Postal Code: 467-860 Additional name(s) of conveying pany(ses) attached?		Street Address:	San 136-1, Ami-ri, Bubal-eub			
State/Country: Korea Postal Code: 467-860 Additional name(s) of conveying pathyline) attached?		Street Address:				
Additional name(s) of conveying patry(ses) attached?		City:	Ichon-shi, Kyoungki-do			
3. Nature of Conveyance: Assignment		State/Country:	Korea Postal Code: 467-860			
Assignment	Additional name(s) of conveying party(ies) attached?	Additional name(s) and addre	esses attached? Yes No			
Security Agreement	3. Nature of Conveyance:					
Merger Execution Date: 12232002	X Assignment	☐ Change of Nam	ne			
Application Number(s) or Patent Number(s): Application Number(s) or Patent Number(s): Assignment is being filed together with new application and the first execution date of application is: 12272002 Application has been filed already and the application filing date is: A. Patent Application Number(s): B. Issued Patent Number(s): Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this matter should be mailed: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68482US0 DO NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 Name of Person Signing, Reg. No. Signature Date	Security Agreement	Other:				
Assignment is being filed together with new application and the first execution date of application is: 12272002 Application has been filed already and the application filling date is: A. Patent Application Number(s): B. Issued Patent Number(s): Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this matter should be mailed: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68482US0 DO NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 Name of Person Signing, Reg. No. Signature Date	☐ Merger	Execution Date:	12232002			
Application has been filed already and the application filing date is: A. Patent Application Number(s): Additional numbers attached? Additional number of applications and patents involved: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68482US0 DO NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 Name of Person Signing, Reg. No. Additional patents Number(s): B. Issued Patent Number(s): Additional patents Number(s): Attached? Yes X No 6. Total number of application in application in actions and patents involved: 1 T. Total Fee (37 CFR 3.41): Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358. Account No. 06-1358. Do NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 December 27, 2002	4. Application Number(s) or Patent Number(s):					
Application has been filed already and the application filing date is: A. Patent Application Number(s): B. Issued Patent Number(s): Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning this matter should be mailed: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68482US0 DO NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 Name of Person Signing, Reg. No. Signature Date	X Assignment is being filed together with new application and the first execution date of application is:					
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tions and patents involved: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68482US0 DO NOT USE THIS SPACE 8. 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. Yoon S. Ham/45,307 Name of Person Signing, Reg. No. Signature tions and patents involved: 7. Total Fee (37 CFR 3.41): \$ 40.00 X Enclosed X Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358. December 27, 2002	Additional numbers attached? Yes X No					
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Name of Person Signing, Reg. No. 1	Yoon S. Ham/45,307	TETAL VI	December 27, 2002			
Total number of pages including cover sheet, attachments, and documents: -2-	Name of Person Signing, Reg. No. Signature		Date			
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(1-6) Insert Name(s) of Inventors		STATES OF AMERICA-A	ASSIGNMENT
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	(4)		
	(5)		
	In to each	consideration of the sum of one dollar	(\$1.00), and other good and valuable considerations paid d sufficiency of which are hereby acknowledged, the
7) Insert Name of assignee	(7) <u>H</u> 3	ynix Semiconductor Inc.	
7) Wood Name of acongress	····		
(8) Insert Address of Assignee			eub, Ichon-shi, Kyoungki-do 467-860,
o, moon riggrood or riseignoo			
9) Insert Legal Entity and State or Country (e.g., a corporation			of Republic of Korea
or citizen of Japan)	(herei territor	nafter designated as the Assignee) the e ries, dependencies and possessions, in th	ntire right, title and interest for the United States, its ne invention known as
(10) insert Identification of Invention, such as Title, Case Number or	(10)	DLL DRIVING CIRCUIT FOR	USE IN SEMICONDUCTOR MEMORY DEVICE
Foreign Application Number (11) Insert Date of Signing of			d an application for patent in the United States of America on December 23, 2002 (and assigned
Application, or filing date and Serial No., if known		No New Application	
rovisions of the International Union for 4) The undersigned agree(s) to ssignee. 5) The undersigned hereby autho	Protection of perform all aff or perform all aff or perform or any control or any	Industrial Property or similar agreement immative acts which may be necessary quest(s) the Commissioner of Patents applications or divisional applications there	act which may be necessary in connection with claims ts. y to obtain a grant of a valid United States patent to the said Assignee, as Assignee of the entire interest assigned, and that he has (they have) not executed, a
ill not execute, any agreement in con 6) The undersigned hereby grant ower to insert on this assignment at tates Patent and Trademark Office for	flict herewith. (s) the law fim ny further iden recordation of	m of Jacobson, Price, Holman & Ste tification which may be necessary or	ern, 400 Seventh Street, N.W., Washington, D.C. 20004, to desirable in order to comply with the rules of the Unit
DateDecember 23, 200	_		(SEAL)
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This assignment should	d preferably e execution b	be signed before a United State the inventor(s) should be witness	es Consul if signed abroad, or a Notary public sed by at least two witnesses who sign here: -HEE Ler Myngher OUNG Land Here-Young
σοραιαίο σποσί.		Witness LIM, HYE-Y	oung Lan, Hye-Young

LAW OFFICES OF

JACOBSON, PRICE, HOLMAN & STERN

THE JENIFER BUILDING

400 SEVENTH STREET, N.W.

WASHINGTON, D.C. 20004

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