		<u> </u>	illin		OP ASSIGNMENTS		
		07-11-2					
TO THE COMMISSIONER O	F THE U.S. PA						
Sir: 10303/14/							
Please record the attached original documents or copy thereof as follows:							
1. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]: a. KIM, Yong-Kyu b. Kang, Sang-Hee							
C.			d.		0.0 990.5		
e. g.			f. h.		61 /16 630 630		
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐YES ☑NO							
2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST:							
NAME: Hynix Semiconduc	ctor Inc.						
ADDRESS: San 136-1, Ami-	-ri, Bubal-eub,	Ichon-si, Kyoungki-do 40	67-860, Repulic of Kore	a			
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐YES ☒NO							
3. NATURE OF CONVEYANCE/DOCUMENT:							
✓ Assignment✓ Change of Name		Assignment of: Part interest		Conveyance documo	ent attached is a:		
Other:		Whole interest		Original			
Execution Date(s) on the Cor	yevance/Doci	ment: June 17 2005		Certified doc	ument		
Execution Date(s) on the Dec)5				
4. APPLICATION AND/OR PATENT NUMBER(S): Additional sheets attached? □YES ☒NO							
I 4. APPLICATION AND/OR I	CATEMI MOM	DEN(3).	Auui	ionai sneets attacheu:			
a. Application Number(s)	Matter No.	First Inventor	b. Patent Number(s)		First Inventor		
	,						
a. Application Number(s) New Application 5. NAME & ADDRESS OF F	Matter No. 123037- 05077399 PARTY TO W	Yong-Kyu KIM, et al.	b. Patent Number(s)	Matter No. DPERTIES INVOLVED	First Inventor		
a. Application Number(s) New Application 5. NAME & ADDRESS OF F	Matter No. 123037- 05077399 PARTY TO W	Yong-Kyu KIM, et al.	6. NUMBER OF PROApplns 1 + Pa	DPERTIES INVOLVED atents 0 =	First Inventor Total: 1		
a. Application Number(s) New Application 5. NAME & ADDRESS OF F CORRESPONDENCE CO BE MAILED: Customer No. 43569	Matter No. 123037- 05077399 PARTY TO WE DNCERNING I	Yong-Kyu KIM, et al.	6. NUMBER OF PROApplns 1 + Pa	DPERTIES INVOLVED atents 0 =	First Inventor		
a. Application Number(s) New Application 5. NAME & ADDRESS OF I CORRESPONDENCE COBE MAILED:	Matter No. 123037- 05077399 PARTY TO WE DNCERNING I	Yong-Kyu KIM, et al.	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG	Matter No.	First Inventor Total: 1		
a. Application Number(s) New Application 5. NAME & ADDRESS OF I CORRESPONDENCE	Matter No. 123037- 05077399 PARTY TO WE DNCERNING I	Yong-Kyu KIM, et al.	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG DEPOSIT ACCOL	Matter No. DPERTIES INVOLVED Intents 0 = EDUE: x \$40 = \$ 40 (F) ETO: JNT NO. 503-121	First Inventor Total: 1		
a. Application Number(s) New Application 5. NAME & ADDRESS OF F CORRESPONDENCE COBE MAILED: Customer No. 43569 Mayer, Brown, Rowe & Maw Intellectual Property Group	Matter No. 123037- 05077399 PARTY TO WE DNCERNING I	Yong-Kyu KIM, et al.	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG	Matter No. DPERTIES INVOLVED atents 0 = E DUE: x \$40 = \$_40 (F) E TO: JNT NO. 503-121 123034-	First Inventor Total: 1 Fee Code 8021)		
a. Application Number(s) New Application 5. NAME & ADDRESS OF I CORRESPONDENCE	Matter No. 123037- 05077399 PARTY TO WE ONCERNING DE LLP 11	First Inventor Yong-Kyu KIM, et al. HOM DOCUMENT SHOULD	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG DEPOSIT ACCOUNTY Under Order No.	Matter No.	First Inventor Total: 1 Tee Code 8021) 05077399 Matter No.		
a. Application Number(s) New Application 5. NAME & ADDRESS OF F CORRESPONDENCE COBE MAILED: Customer No. 43569 Mayer, Brown, Rowe & Maw Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006-110 9. To the best of my knowledge.	Matter No. 123037- 05077399 PARTY TO WE ONCERNING I	First Inventor Yong-Kyu KIM, et al. HOM DOCUMENT SHOULD	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG DEPOSIT ACCOUNT Under Order No.	Matter No.	First Inventor Total: 1 Fee Code 8021) 05077399 Matter No.		
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a. Application Number(s) New Application 5. NAME & ADDRESS OF F CORRESPONDENCE COBE MAILED: Customer No. 43569 Mayer, Brown, Rowe & Maw Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006-110 9. To the best of my knowl copy of the original doc 10. TOTAL NUMBER OF PARTICLE AND ADDRESS OF PART	Matter No. 123037- 05077399 PARTY TO WE ONCERNING I	First Inventor Yong-Kyu KIM, et al. HOM DOCUMENT SHOULD	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG DEPOSIT ACCOUNT OF The Position o	Matter No.	First Inventor Total: 1 Fee Code 8021) 05077399 Matter No. d copy is a true		
a. Application Number(s) New Application 5. NAME & ADDRESS OF F CORRESPONDENCE COBE MAILED: Customer No. 43569 Mayer, Brown, Rowe & Maw Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006-110 9. To the best of my knowl copy of the original doc 10. TOTAL NUMBER OF PARTICLE AND ADDRESS OF PART	Matter No. 123037- 05077399 PARTY TO WE ONCERNING I	First Inventor Yong-Kyu KIM, et al. HOM DOCUMENT SHOULD	6. NUMBER OF PROApplns 1 + Pa 7. AMOUNT OF FEE Above Total 1 8. PLEASE CHARG DEPOSIT ACCOUNT OF THE POSIT ACCOUNT	Matter No.	First Inventor Total: 1 Fee Code 8021) 05077399 Matter No. d copy is a true		

PATENT REEL: 016748 FRAME: 0058 Please return signed/recorded to:

Mayer Brown Rowe & Maw LLP Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006

Atty Reference: 123037-05077399

Client Reference: P04H7003/US/sy

ASSIGNMENT OF NONPROVISIONAL APPLICATION

RECORDED: 06/30/2005

WHEREAS, the undersigned hereby:					
INSERT NAME(S) OF INVENTOR(S)	(1) KIM, Yong-Kyu	(2) KANG,	Sang-Hee		
	(3)	(4)			
	(5)		f continued on page 2		
•	nafter "ASSIGNOR") has/have made an inv				
TITLE OF INVENTION	REDUNDANCY FUSE CONTROL CIRCUIT AND SEMICONDUCTOR MEMORY DEVICE HAVING THE SAME AND REDUNDANCY PROCESS METHOD				
for which an appl	ication for Letters Patents of the United Sta	tes of America:			
(Note: Complete A or B)	 (A) ⊠was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or (B) ☐was filed on as Application No. 				
AND WHEREAS	e de la composition de la composition de La composition de la				
INSERT	Name: Hynix Semiconductor, Inc.				
NAME(S) AND	Address: San 136-1, Ami-ri, Bubal-eub, I	chon-shi, Kyoungki-do	467-860, Republic of Korea		
ADDRESS(ES) OF					
ASSIGNEE(S)					
(hereinafter "AS to acquire an in	SIGNEE"), duly organized and existing terest therein of the above-identified inv	under the laws of RE ention;	EPUBLIC OF KOREA, desires		
NOW, T	HEREFORE, in consideration of good a	and valuable consider	ation, the receipt and		
sufficiency of wl	nich are hereby acknowledged, the said	I ASSIGNOR, does he	ereby sell, assign and transfer		
unto ASSIGNE	E, its successors, assigns and legal re aid invention in the United States and a	presentatives, the full	and exclusive right, title and		
application, and	to the said application and to all contin	uations, divisions, rei	s described in the aloresaid		
application, toge	ether with the right of priority under the	International Convent	tion for the Protection of		
Industrial Prope	rty, Inter-American Convention Relating	to Patents, Designs	and Industrial Models, and any		
other internation authorizes and	nal agreements to which the United Star requests the Commissioner of Patents t	tes of America adhere to issue said Letters F	es, and ASSIGNOR hereby		
interest as ASS	IGNEE, its successors, assigns and leg	al representatives;	dient to Addionale, for its		
AND AS	SIGNOR hereby agrees, without furthe	r remuneration, to exe	ecute any papers requested by		
ASSIGNEE, its	successors, assigns and legal represer	ntatives, deemed esse	ential for ASSIGNEE's full		
	itle in and to the invention hereby transf	ŕ			
Addition	ally, the undersigned further authorize(s	s) Mayer Brown Rowe	e & Maw LLP, 1909 K Street,		
recordation of the	on, D.C. 20006, to insert hereon any fu	rther identification ned	cessary or desirable for		
rocordation or ti	no doddinone.				
	NTORS	DATE SIGNED	WITNESSES		
1)	in you kyn	June 17,2005			
Name: KiM,	Cang Sang Hee				
2)	lang Sang Hec	June 17,2005			
Name: KANG	, Sańg-Hee				
3)					
Name:					
4)					
Name:					

PATENT REEL: 016748 FRAME: 0059