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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Min-Gyu SUNG	12/24/2008
Yong-Soo KIM	12/24/2008
Kwan-Yong LIM	12/24/2008

RECEIVING PARTY DATA

Name:	Hynix Semiconductor Inc.
Street Address:	San 136-1, Ami-ri, Bubal-eup
City:	Icheon-si, Gyeonggi-do
State/Country:	REPUBLIC OF KOREA
Postal Code:	467-701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12344119

CORRESPONDENCE DATA

Fax Number: (703)518-5499

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Correspondent Name: Yoon S. Ham

Address Line 1: 1700 DIAGONAL ROAD

Address Line 2: Lowe Hauptman Ham & Berner LLP Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	123037-0053
NAME OF SUBMITTER:	Yoon S. Ham

Total Attachments: 3

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PATENT REEL: 022030 FRAME: 0221

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		Docket No.:
	ASSIGNMENT	
In consideration of the premises an sufficiency of which is hereby acknowld 1) SUNG, Min-Gyu	d other good and valuable consider ledged, the undersigned, 2) KIM, Yong-Soo	ration in hand paid, the receipt and
3) LIM, Kwan-Yong	4)	
5)	6)	
who has made a certain new and use Semiconductor Inc. having a place of 701, Republic of Korea, its successors title and interest for the United States of SEMICONDUC	I business at <u>San 136-1, Ami-ri, Bub</u> and assigns (hereinafter designate	pal-eup, Icheon-si, Gyeonggi-do 467- ed "ASSIGNEE") the entire right,
TRANSISTOR .	AND METHOD FOR FABRICA	ATING THE SAME
	States Letters Patent was filed on	
(b) for which an application for United Sta	ates Letters Patent was executed on	
extensions, divisions, reissues, continua under the International Convention for interest as ASSIGNEE, its successors, attorneys of record in said application shadout and obtaining original, divisional, reissued or exits successors, assigns and legal representatives, for patent based thereon, growing out of or rela successors, assigns and legal representatives, dehereby transferred.	assigns and legal representatives; all hereafter act on behalf of said Affer a like interest, and to render all necess tended Letters Patent of the United States and without further remuneration, in and ted to the said invention, and to recover.	the undersigned agrees that the SSIGNEE; ary assistance in making application for s, upon request of the said ASSIGNEE, to any improvements, and applications
SIGNED on the date indicated aside my signature	:	
1) Sung Min Gyu Name: SUNG, Min-Gyu	Decembe Date:	er 24 ,2008
2)		
Name: KIM, Yong-Soo	Date:	
3)	•	
Name: LIM, Kwan-Yong	Date:	
4)		
Name:	Date:	

	Do	cket No.:
	ASSIGNMENT	
sufficiency of which is hereby acknow 1) SUNG, Min-Gyu 3) LIM, Kwan-Yong	2) KIM, Yong-Soo 4)	in hand paid, the receipt and
5)	6)	
Semiconductor Inc. having a place of 701, Republic of Korea, its successors title and interest for the United States SEMICONDUC	useful invention, hereby sells, assigns of business at San 136-1, Ami-ri, Bubal-eu and assigns (hereinafter designated "A of America as defined in 35 U.S.C. 100 CTOR DEVICE HAVING VERTICA	p. Icheon-si, Gyeonggi-do 467- SSIGNEE") the entire right, in the invention entitled L CHANNEL
IRANSISIO	R AND METHOD FOR FABRICATI	NG THE SAME
(a) for which an application for United United States Patent Application No.	States Letters Patent was filed on; or	, and identified by
(b) for which an application for United St	tates Letters Patent was executed on	_
extensions, divisions, reissues, continuunder the International Convention for interest as ASSIGNEE, its successors attorneys of record in said application sl. AND the undersigned hereby agrees to tran and obtaining original, divisional, reissued or e its successors, assigns and legal representatives for patent based thereon, growing out of or rel successors, assigns and legal representatives, othereby transferred.	States Letters Patent which may be gran lations, or continuations-in-part thereof, the Protection of Industrial Property to assigns and legal representatives; the hall hereafter act on behalf of said ASSIGnsfer a like interest, and to render all necessary as extended Letters Patent of the United States, upons, and without further remuneration, in and to an lated to the said invention; and to execute any producemed essential to ASSIGNEE's full protections.	and the right to all benefits the said ASSIGNEE, for its undersigned agrees that the iNEE; sistance in making application for or request of the said ASSIGNEE, y improvements, and applications apers by the said ASSIGNEE, its
SIGNED on the date indicated aside my signatu	rre:	
1)Name: SUNG, Min-Gyu	Date:	
2) Km ong S Name: KIM, Yong Soo	December Date:	24 ,2008
Name: LIM, Kwan-Yong	Date:	· · · · · · · · · · · · · · · · · · ·
4)		
Name:	Date:	

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sufficiency of which is hereby acknowledged, the unders 1) SUNG, Min-Gyu 2) KIM	valuable consideration	on in board anid the	
The Mark Market Market Control of the Control of th	, Yong-Soo	n ni nama paret, me	receipt and
3) LIM, Kwan-Yong 4)			
5)	•		
who has made a certain new and useful invention, Seroiconductor Inc. having a place of business at San 701, Republic of Korea, its successors and assigns (here title and interest for the United States of America as def SEMICONDUCTOR DEVICE H. TRANSISTOR AND METHOD FO	136-1, Ami-ri, Bubal-c cinafter designated " fined in 35 U.S.C. 10 AVING VERTIC	cup. Icheon-si, Gyeon ASSIGNEE") the of 0 in the invention of AL CHANNEL	oggi-do 467- entire right, entitled
(a) for which an application for United States Letters Patern United States Patent Application No.	t was filed on	Control of the Contro	identified by
(b) for which an application for United States Letters Patent wa	s executed on	mescacan AS	
interest as ASSIGNEE, its successors, assigns and legar attorneys of record in said application shall hereafter act of AND the undersigned hereby agrees to transfer a like interest, an	n behalf of said ASSI d to render all necessary	GNEE;	relication for
and obtaining original, divisional, reissued or extended Letters Pater its successors, assigns and legal representatives, and without further for patent based thereon, growing out of or related to the said inversuccessors, assigns and legal representatives, deemed essential to A hereby transferred.	remuneration, in and to a	my improvements, and	applications
SIGNED on the date indicated aside my signature:			to kind and
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Name: SUNG, Min-Gyu	Dair.	en manuscum de minima (minima con minima de constituir de constituir de constituir de constituir de constituir	
2) Name: KIM, Yong-Soo	Date:		
3) 1 m Knayer	December	24 ,2008	
Name: LIM, Kwan-Yong	Date:	-	
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4) Name:	-		

RECORDED: 12/24/2008