503699056 02/18/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOON-JAE SHIN	02/11/2016
JAE-BOUM PARK	02/11/2016

### **RECEIVING PARTY DATA**

Name:	SK HYNIX INC.
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15047273

### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	P15H0172/US
NAME OF SUBMITTER:	JUN JEONG PARK
SIGNATURE:	/Jun Jeong PARK/
DATE SIGNED:	02/18/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

# **Total Attachments: 2**

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Attorney Docket No.: \_\_\_\_

	ASSI	GNMENT OF AND DI FOR UNITED ST			ON	
WHEREAS_	SHIN, You	n-Jac				hereinafter
		ignor and inventor, has i	invented a certain	i improvement relat	ing to	
VOLTAGE GENE METHOD FOR D	000000000000000000000000000000000000000	COIT, SEMICONDUC SAME	TOR MEMORY	DEVICE INCLUE	ING THE SAME.	 720
	n having been	filed in the United State as Application Serie	s Patent and Trac	demark Office on		amended
I the specificatio	n of which wa	(if ap as filed under the Patent to the United States of Am	Cooperation Tres	ity on		
application, includ	t to as the assi ing any and al	enix lits.  gnee or applicant, is desi l divisions and continuat neluding any and all ren	ions thereof, and	in and to said inve	ntion and any and al	
consideration paid assigns, sells and to interest in and to a any and all patients assignce, and said and all divisions a including any and anywise arising to including any and assignce's success.	by said assignanties to said applications which may be assigned a sund continuation all renewals, a om or appertail all renewals at all renewals ors and assign	SETH, that for and in come to said assigner, and said assigner, and said assigner, in cluding any and all doe granted therefor, including any and all does granted therefor, including thereof, and the said reissues and prolongationing thereto, for and does not all the companions and prolongations in as ample and beneat had not been made.	e receipt of whit gnee's successor livisions and con iding any and all have, hold, exer invention and a ass thereof, with a uring the term of utions thereof, for	ch is hereby seeknes and assigns, the fi tinuations thereof, a renewals, reissues cise and enjoy the my and all patents all the rights, power terms of any and or the use and ben	wiedged, said assignal and exclusive rig and in and to said in and prolongations to said application, in which may be grant as, privileges and ac- all such patents wi effic of said assigne-	enor hereby bit, title and vention and hereof: said cluding any ed therefor, tvantages in ten granted, e, and said
	II acts relating	eby agrees to perform, to the obtaining or to the				
	nd on any and	norizes and requests the tall divisions and comin				
		ventor, I hereby declare riginal inventor or an ori				
		that any willful false stat nore than five (5) years, o		nis declaration is pu	mishable under 18 t	J.S.C. 1001
ASSIGNOR (INV	ENTOR):					
Signature:	Shin	Your Jae	Date:	7019 p.	· . ]]	

Page 1 of 1

Printed or Typed Name: SHIN, Yoon-Jac.

PATENT REEL: 037769 FRAME: 0594

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		TED STATES LETTERS PAT	
WHERE	AS <u>PARK, Jac-Boum</u>		, hereinafter
referred to co	ollectively as the assignor and inven	tor, has invented a certain impro	vement relating to
	GENERATION CIRCUIT, SEMICO OR DRIVING THE SAME		CE INCLUDING THE SAME, AND
said appl on the specif	lication being attached hereto: lication having been filed in the Uni as Application of which was filed under the the United State	tion Serial No(if applicable); Patent Cooperation Treaty on	, and was amended
AND W	HEREAS SK hynix Inc.		
hereinafter re application, i	eferred to as the assignee or applicat	continuations thereof, and in and	fire right, title and interest in and to said to said invention and any and all patents orgations thereof;
consideration assigns, sells interest in an any and all p assignee, and and all divisi including any anywise arisi including an assignee's su	n paid by said assignee to said assigner, and transfers to said assignee, and id to said application, including any satents which may be granted theref if said assignee's successors and assignee's successors and are soons and continuations thereof, and y and all renewals, reissues and proing from or appertaining thereto, for y and all renewals, reissues and if	ignor, the receipt of which is he said assignee's successors and at and all divisions and continuation, including any and all renews tigns, to have, hold, exercise and the said invention and any and longations thereof, with all the ror and during the term or terms prolongations thereof, for the und beneficial a manner as the s	illar (\$1.00), and other good and valuable ereby acknowledged, said assignor hereby signs, the full and exclusive right, title and its reissues and in and to said invention and dis, reissues and prolongations thereof, said if enjoy the said application, including any all patents which may be granted therefor ights, powers, privileges and advantages in of any and all such patents when granted se and benefit of said assignee, and said aid assignor might or could have held and
assigns, any			assignee, or said assignee's successors or its, including any and all renewals, reissue:
said applicati			and Trademarks to issue Letters Patent or assignee, and said assignee's successors and
As a made by me,	an above-named inventor, I hereby and that I am the original inventor of	declare that the above-identified or an original joint inventor of a	I application was made or authorized to be claimed invention in the application.
	reby acknowledge that any willful i prisonment of not more than five (5		aration is punishable under 18 U.S.C. 1001
ASSIGNOR	(INVENTOR):		
Signature:	Park Inc Rown	Date: 201	6-02 11
Daires and The	and Names BARK Inc. Pro-		

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**RECORDED: 02/18/2016**