502641656 01/17/2014

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2688264

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNG YUN LEE	12/16/2013
HAE CHAN PARK	12/16/2013
MYOUNG SUB KIM	12/16/2013
SE HO LEE	12/16/2013

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:	14158496	

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ATTORNEY DOCKET NUMBER:	OPX13166-110US
NAME OF SUBMITTER:	JUN JEONG PARK
Signature:	/Jun Jeong PARK/
	PATENT

502641656 REEL: 031999 FRAME: 0350

Date: 01/17/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=OPX13166-110US_NMC_Assignment Declaration#page1.tif source=OPX13166-110US_NMC_Assignment Declaration#page2.tif	

PATENT REEL: 031999 FRAME: 0351

Attorney	Docket	No.:		

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS LEE, Seung Yun et al.	, he	reinafi	er
referred to collectively as the assignor and inventor, has invented a certain improvement relating to			
SEMICONDUCTOR MEMORY APPARATUS AND TEMPERATURE CONTROL METHOD TH	<u>iereoj</u>	Ε.	
[X] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on, as Application Serial No, on	and	was	amended
AND WHEREAS SK hynix Inc.			
hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and in application, including any and all divisions and continuations thereof, and in and to said invention and which may be granted therefor, including any and all renewals, reissues and prolongations thereof;			
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1,00), and consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledge assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and interest in and to said application, including any and all divisions and continuations thereof, and in a any and all patents which may be granted therefor, including any and all renewals, reissues and proassignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said applicable divisions and continuations thereof, and the said invention and any and all patents which m including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privianywise arising from or appertaining thereto, for and during the term or terms of any and all suclincluding any and all renewals, reissues and prolongations thereof, for the use and benefit of assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might enjoyed the same, if this assignment had not been made. AND said assignor hereby agrees to perform, upon the request of said assignee, or said assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and and prolongations thereof. AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to said application, and on any and all divisions and continuations thereof, to said assignee, and said assigns, in accordance herewith.	ed, said exclusive nd to sa colongation, in ay be gleges and patent said assor could assignee ad all re	assign e right id inve ons the ocluding granted ad advi s wher signee, d have 's succenewals	or hereby to title and ention and ereof; said g any and therefor, antages in granted, and said held and cessors or to, reissues Patent on
As an above-named inventor, I hereby declare that the above-identified application was made by me, and that I am the original inventor or an original joint inventor of a claimed invention in			
I hereby acknowledge that any willful false statement made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both.	under	18 U.S	S.C. 1001
ASSIGNOR (INVENTOR):			
Signature: LEE SEUNG YUN. Date: 2013.12-16		······	
Printed or Typed Name: LEE, Seung Yun			

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ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

Signature:	PARK, Hae Chan	Date: 2013.12.16	
Printed or Type	ed Name: PARK, Hae Chan		
Signature:	KIM. Myoung Sub	Date: 2013.12.16	
Printed or Type	ed Name: KIM, Myoung Sub		
Signature:	LEE, SE HO	Date: 20/3.12.16	
Printed or Type	ed Name: <u>LEE, Se Ho</u>	Ser 1	
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SKhynix mammamamamama

RECORDED: 01/17/2014

배주형/선행소자A팀/이천/5302

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