502817809 05/21/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2864404

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KYOUNG JIN PARK	04/04/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14283324

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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ATTORNEY DOCKET NUMBER:	PA1589-0	
NAME OF SUBMITTER: WOOCHOON W. PARK		
SIGNATURE:	/Woochoon W. Park/	
DATE SIGNED:	05/21/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 1

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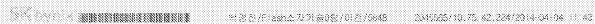
PATENT 502817809 REEL: 032971 FRAME: 0612

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	SEMICONDUCTOR MEMORY DEVICE AND OPERATING METHOD THEREOF		
Declaration	As the below named inventor(s). Thereby declare that The declaration is directed to #The strached application, or United States application or PCT international application number filed on The above-identified application was made or authorized to be made by ms. I believe that I am the original or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1801 by fine or impresonment of not more than five (5) years or both.		
Assignment	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration. It by these presents do self-assign and transfer unto said assignee(s). [SK hynix Inc.] [2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korsa] and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the antire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, bitie, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and said not been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compansation, any power of altorney. Assignment, application, whether original continuation, divisional or reissue, or other papers that may be necessary. Thereby covenent that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will lestify as to the same in any trigitation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said applicatio		
Legal Name Of inventor	Inventor Name (First Middle LAST)	Kyoung Su PARK	
	Inventor Signature Date:	Conseque Pri	
	Date:	SOM ON OU	

A total of 1 supplemental sheet(s) are attached hereto for additional inventors, if any

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PATENT **REEL: 032971 FRAME: 0613**

RECORDED: 05/21/2014