PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4278772

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DO-SUN HONG	11/17/2016
DONGGUN KIM	11/17/2016
YONG JU KIM	11/17/2016
SANG GU JO	11/17/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15434784

CORRESPONDENCE DATA

Fax Number: (630)323-0335

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

Email: uspto.actions@wpapat.com WILLIAM PARK & ASSOCIATE Correspondent Name: Address Line 1: 930 N. YORK ROAD, SUITE 201

Address Line 4: HINSDALE, ILLINOIS 60521

ATTORNEY DOCKET NUMBER:	PA3030-0	
NAME OF SUBMITTER: WOOCHOON W. PARK		
SIGNATURE:	/Woochoon W. Park/	
DATE SIGNED:	02/16/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT REEL: 041280 FRAME: 0088 504232095

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

Title of Invention	RESISTANCE VARIABLE MEMORY OPERATING THEREFOR	APPARATUS, AND CIRCUIT AND METHOD FOR	
Declaration	As the below named inventor(s), I hereby declare that: The declaration is directed to: The attached application, or United States application or PCT international application number PCT/KR####################################		
Assignment	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s) SK hynix Inc. 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea and the heirs, successors, assigns and legal peresentatives 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 entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. Thereby 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, title, 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 sale 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 compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant 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 testify as to the same in any litigation related thereto and will promptly execute and deliver to assi		
Legal Name	Inventor Name (First Middle LAST): Inventor Signature:	Do-Sun HONG	
Of Inventor	Date:	D-Sur Hong November 17, 2016	

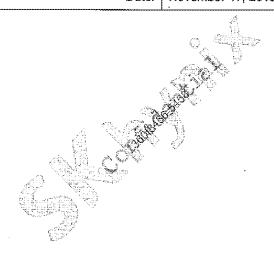
🖾 A total of 2 supplemental sheet(s) are attached hereto for additional inventors, if any.

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

Legal Name Of Joint Inventor, If Any	Inventor Name (First Middle LAST):	Donggun KIM
	Inventor Signature:	Dungun Kin
	Date:	November 17, 2016
Legal Name	Inventor Name (First Middle LAST):	Yong Ju KIM
Of Joint Inventor, If Any	Inventor Signature:	Yong Ju KIM
	Date:	November 17, 2016
	Inventor Name /Circh Middle I ACTV	80-10
Legal Name Of Joint Inventor, If Any	Inventor Name (First Middle LAST):	Sang Gu JO
	Inventor Signature:	Sang Gu JO
	Date:	November 17, 2016



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RECORDED: 02/16/2017