

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2720353

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHOUNG KI SONG</td> <td>01/27/2014</td> </tr> <tr> <td>YO SEP LEE</td> <td>01/27/2014</td> </tr> <tr> <td>CHAN GI GIL</td> <td>01/27/2014</td> </tr> <tr> <td>CHANG HYUN KIM</td> <td>01/27/2014</td> </tr> </tbody> </table>		Name	Execution Date	CHOUNG KI SONG	01/27/2014	YO SEP LEE	01/27/2014	CHAN GI GIL	01/27/2014	CHANG HYUN KIM	01/27/2014
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CHOUNG KI SONG	01/27/2014										
YO SEP LEE	01/27/2014										
CHAN GI GIL	01/27/2014										
CHANG HYUN KIM	01/27/2014										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14176599</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14176599						
Property Type	Number										
Application Number:	14176599										
CORRESPONDENCE DATA											
Fax Number:	(630)908-7653										
Phone:	6309087652										
Email:	uspto.actions@wpapat.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	WILLIAM PARK & ASSOCIATES PATENT LTD.										
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Address Line 4:	HINSDALE, ILLINOIS 60521										
ATTORNEY DOCKET NUMBER:	PA1518-0										
NAME OF SUBMITTER:	WOOCHOON W. PARK										
Signature:	/Woochoon W. Park/										
Date:	02/10/2014										

PATENT

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2**

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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

Title of Invention	SEMICONDUCTOR DEVICES	
Declaration	<p>As the below named inventor(s), I hereby declare that:          The declaration is directed to:  <input checked="" type="checkbox"/> The attached application, or  <input type="checkbox"/> United States application or PCT international application number PCT/KR##### filed on _____          The above-identified application was made or authorized to be made by me.          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. 1001 by fine or imprisonment of not more than five (5) years or both.</p>	
Assignment	<p>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)</p> <p style="text-align: center;">SK hynix Inc.          2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea</p> <p>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 hereof, the entire 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, 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.</p> <p>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.</p> <p>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.</p> <p>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 assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.</p>	
Legal Name Of Inventor	Inventor Name (First Middle LAST):	SONG, Choung Ki
	Inventor Signature:	Song Choung Ki
	Date:	1/29/2014

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

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):	LEE, Yo Sep
	Inventor Signature:	Lee Yo Sep
	Date:	1/27/2014

Legal Name Of Joint Inventor, If Any	Inventor Name (First Middle LAST):	GIL, Chan Gi
	Inventor Signature:	<i>[Signature]</i>
	Date:	1/27/2014

Legal Name Of Joint Inventor, If Any	Inventor Name (First Middle LAST):	KIM, Chang Hyun
	Inventor Signature:	Kim Chang Hyun
	Date:	1/27/2014

Legal Name Of Joint Inventor, If Any	Inventor Name (First Middle LAST):	
	Inventor Signature:	
	Date:	

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