

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3857196

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MIN-SU KIM	04/18/2016
JIN-SU PARK	04/18/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SK HYNIX INC.
<b>Street Address:</b>	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI
<b>City:</b>	GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15145539
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(571)327-5452
<i>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.</i>	
<b>Phone:</b>	571-327-5450
<b>Email:</b>	ipntlaw@ipntlaw.com
<b>Correspondent Name:</b>	IP & T GROUP LLP
<b>Address Line 1:</b>	8230 LEESBURG PIKE SUITE 650
<b>Address Line 4:</b>	VIENNA, VIRGINIA 22182
<b>ATTORNEY DOCKET NUMBER:</b>	P15H0312/US
<b>NAME OF SUBMITTER:</b>	MYUNG SOO KIM
<b>SIGNATURE:</b>	/Myung Soo KIM/
<b>DATE SIGNED:</b>	05/03/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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source=IVX000137372_P15H0312US_ASSIGNMENT&DECLARATION#page2.tif	

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

**ASSIGNMENT OF AND DECLARATION FOR APPLICATION  
FOR UNITED STATES LETTERS PATENT**

WHEREAS PARK Jin-Su, hereinafter  
referred to collectively as the assignor and inventor, has invented a certain improvement relating to  
SEMICONDUCTOR DEVICE AND TEST SYSTEM INCLUDING THE SAME

☒ said application being attached hereto;  
☐ said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_,  
 as Application Serial No. \_\_\_\_\_, and was amended  
 on \_\_\_\_\_ (if applicable);  
☐ the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_,  
 Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS SK hynix Inc.  
 hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said  
 application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents  
 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 other good and valuable  
 consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby  
 assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and  
 interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and  
 any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said  
 assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and  
 all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor,  
 including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in  
 anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted,  
 including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said  
 assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and  
 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 assignee's successors or  
 assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues  
 and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on  
 said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and  
 assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be  
 made by me, and that I am the original inventor 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.

**ASSIGNOR (INVENTOR):**

Signature: Park Jin-Su Date: April 18, 2016

Printed or Typed Name: PARK Jin-Su

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

**ASSIGNMENT OF AND DECLARATION FOR APPLICATION  
FOR UNITED STATES LETTERS PATENT**

WHEREAS KIM, Min-Su, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to SEMICONDUCTOR DEVICE AND TEST SYSTEM INCLUDING THE SAME

☒ said application being attached hereto;  
☐ said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, as Application Serial No. \_\_\_\_\_, and was amended on \_\_\_\_\_ (if applicable);  
☐ the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS SK hynix Inc. hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents 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 other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and 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 assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor 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.

**ASSIGNOR (INVENTOR):**

Signature: Kim Min Su Date: April 18, 2016

Printed or Typed Name: KIM, Min-Su