

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2720757

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>JAE BUM KIM</td> <td>02/06/2014</td> </tr> <tr> <td>SANG CHUL LEE</td> <td>02/06/2014</td> </tr> </tbody> </table>		Name	Execution Date	JAE BUM KIM	02/06/2014	SANG CHUL LEE	02/06/2014		
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SANG CHUL LEE	02/06/2014								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>SK HYNIX INC.</td> </tr> <tr> <td>Street Address:</td> <td>2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI</td> </tr> <tr> <td>City:</td> <td>GYEONGGI-DO</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SK HYNIX INC.	Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI	City:	GYEONGGI-DO	State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
Fax Number: (571)327-5452 Phone: 571-327-5450 Email: ipntlaw@ipntlaw.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: IP & T GROUP LLP Address Line 1: 8230 LEESBURG PIKE Address Line 2: SUITE 650 Address Line 4: VIENNA, VIRGINIA 22182									
ATTORNEY DOCKET NUMBER:	PO130661HD								
NAME OF SUBMITTER:	JUN JEONG PARK								
Signature:	/Jun Jeong PARK/								
Date:	02/10/2014								

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

Total Attachments: 2

source=Po130661HD_Declaration & Assignment#page1.tif

source=Po130661HD_Declaration & Assignment#page2.tif

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

WHEREAS, **Jae Bum KIM** and **Sang Chul LEE**

hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

SEMICONDUCTOR DEVICE AND METHOD OF OPERATING 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. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea**, 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 Jae Bum Date: 2014.02.06

Printed or Typed Name: **Jae Bum KIM**

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

ASSIGNOR (INVENTOR):

Signature:

Lee Sang Chul

Date:

2014. 02. 06

Printed or Typed Name: Sang Chul LEE

SK hynix