

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2958050

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BO-MI LEE	06/13/2014
CHA-DEOK DONG	06/13/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SK HYNIX, INC.
<b>Street Address:</b>	2091, GYEONGCHUNG-DAERO
<b>Internal Address:</b>	BUBAL-EUB, GYEONGGI-DO
<b>City:</b>	ICHEON-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14444969
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)720-5799
<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>	858 720 5700
<b>Email:</b>	share@perkinscoie.com
<b>Correspondent Name:</b>	BING AI
<b>Address Line 1:</b>	PERKINS COIE LLP
<b>Address Line 2:</b>	PO BOX 1247
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98111-1247
<b>ATTORNEY DOCKET NUMBER:</b>	088453-8027.US00
<b>NAME OF SUBMITTER:</b>	BING AI
<b>SIGNATURE:</b>	/Bing Ai/
<b>DATE SIGNED:</b>	07/29/2014
<b>Total Attachments: 8</b>	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Bo-Mi Lee et al.

Application No.: Not yet assigned

Filed: Herewith

For:

ELECTRONIC DEVICE AND METHOD FOR FABRICATING  
THE SAME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA22313-1450

**DECLARATION AND ASSIGNMENT BY THE INVENTOR**  
**UNDER RULE 37 C.F.R. § 1.63 EFFECTIVE ON SEPTEMBER 16, 2012**

I, Bo-Mi Lee, hereby declare that:

I believe I am the sole original inventor or an original joint inventor of a claimed invention in a patent application entitled:

ELECTRONIC DEVICE AND METHOD FOR FABRICATING  
THE SAME

the specification of which is attached hereto and identified as Attorney Docket No. 088453-8027.US00.

I believe the following persons are additional original joint inventors of the above-identified patent application:

Cha-Deok Dong of Icheon-si, Gyeonggi-do, Korea.

Inventor : Bo-Mi Lee et al.  
Appl. No. : Not yet assigned  
Filed : Herewith  
Page : 2 of 4

Docket No.: 088453-8027.US00

I made, authorized to make, or will make or authorize to make the above-identified patent application at the U.S. Patent and Trademark Office.

I have reviewed and understand the contents of the above-identified patent application including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

#### ASSIGNMENT

I hereby assign to SK hynix Inc., a corporation of Korea, having a place of business at 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Korea, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled

ELECTRONIC DEVICE AND METHOD FOR FABRICATING  
THE SAME

, filed on July 28, 2014, and assigned U.S. Application Number 14/444,969.

I authorize and request an attorney appointed in said application to hereafter insert above the filing date and application number of said application when known.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to

Inventor : Bo-Mi Lee et al.  
Appl. No. : Not yet assigned  
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Page : 3 of 4

Docket No.: 088453-8027.US00

claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration, the receipt of which is hereby acknowledged.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

Inventor : Bo-Mi Lee et al.  
Appl. No. : Not yet assigned  
Filed : Herewith  
Page : 4 of 4

Docket No.: 088453-8027.US00

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to SK hynix Inc. as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Full name of inventor: Bo-Mi Lee

Inventor's signature: Lee Bo Mi

Date: June 13, 2014

Perkins Coie LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
Telephone: (858) 720-5700  
Facsimile: (206) 359-7198

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor : Bo-Mi Lee et al.  
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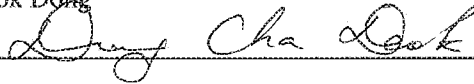
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Full name of inventor: Cha-Deok Dong

Inventor's signature: \_\_\_\_\_



Date: JUNE 13, 2014

Perkins Coie LLP  
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Facsimile: (206) 359-7198

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