

PATENT ASSIGNMENT

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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>Seung Wook PARK</td> <td>05/06/2013</td> </tr> <tr> <td>Christian ROMERO</td> <td>05/06/2013</td> </tr> <tr> <td>Chang Bae LEE</td> <td>05/06/2013</td> </tr> <tr> <td>Mi Jin PARK</td> <td>05/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Seung Wook PARK	05/06/2013	Christian ROMERO	05/06/2013	Chang Bae LEE	05/06/2013	Mi Jin PARK	05/06/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRO-MECHANICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>150, MAEYEONG-RO, YEONGTONG-GU</td> </tr> <tr> <td>City:</td> <td>SUWON, GYUNGGI-DO</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-743</td> </tr> </table>		Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.	Street Address:	150, MAEYEONG-RO, YEONGTONG-GU	City:	SUWON, GYUNGGI-DO	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-743
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2027568087 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-756-8000 Email: mweipdocket@mwe.com</p> <p>Correspondent Name: MCDERMOTT WILL & EMERY LLP Address Line 1: The McDermott Building Address Line 2: 500 North Capitol Street, N.W. Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001</p>											
ATTORNEY DOCKET NUMBER:	085946-0315										
NAME OF SUBMITTER:	Stephen Becker										
Signature:	/stephen becker/										

PATENT

Date:

05/31/2013

Total Attachments: 2

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(SAB)

Docket No.: _____

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>PARK, Seung Wook</u>	(5) _____
(2) <u>Romero Christian</u>	(6) _____
(3) <u>LEE, Chang Bae</u>	(7) _____
(4) <u>PARK, Mi Jin</u>	_____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SAMSUNG Electro-Mechanics Co., Ltd.

150, Maeyeong-ro, Yeongtong-gu,

Suwon, Gyunggi-Do

Republic of KOREA

Postal Code: 443-743

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

**PLUG VIA STACKED STRUCTURE, STACKED SUBSTRATE HAVING VIA STACKED STRUCTURE
AND MANUFACTURING METHOD THEREOF**

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on _____,

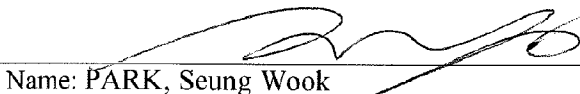
and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

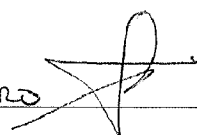
AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1)  May. 06. 2013
Name: PARK, Seung Wook

2) CHRISTIAN ROMERO  MAY 06, 2013
Name: Romero Christian

3) Lee Changbae 06. May 2013
Name: LEE, Chang Bae

4) Park 06. May 2013
Name: PARK, Mi Jin