

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Hwa Young Oh</td> <td>11/02/2012</td> </tr> <tr> <td>Sang Jin Lee</td> <td>11/02/2012</td> </tr> <tr> <td>Dong Su Moon</td> <td>11/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hwa Young Oh	11/02/2012	Sang Jin Lee	11/02/2012	Dong Su Moon	11/02/2012
Name	Execution Date								
Hwa Young Oh	11/02/2012								
Sang Jin Lee	11/02/2012								
Dong Su Moon	11/02/2012								
RECEIVING PARTY DATA									
Name:	Samsung Electro-Mechanics Co., Ltd.								
Street Address:	314 Maetan 3-dong, Yeongtong-gu								
Internal Address:	Suwon								
City:	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>13683799</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13683799				
Property Type	Number								
Application Number:	13683799								
CORRESPONDENCE DATA									
Fax Number:	2027568087								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2027568608								
Email:	mweipdocket@mwe.com								
Correspondent Name:	McDermott Will & Emery LLP								
Address Line 1:	500 North Capitol Street NW								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001								
ATTORNEY DOCKET NUMBER:	090104-0442								
NAME OF SUBMITTER:	Stephen A. Becker								
Total Attachments: 2 source=REC_090104-0442#page1.tif source=ASSGN_090104-0442#page1.tif									

CH \$40.00 13683799

PATENT


### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<b>1. Name of conveying party(ies):</b> Hwa Young OH (11/02/2012), Sang Jin LEE (11/02/2012), and Dong Su MOON (11/02/2012)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>SAMSUNG ELECTRO-MECHANICS CO., LTD.</u> Internal Address: _____ Street Address: _____  314 Maetan 3-dong, Yeongtong-gu, Suwon  City: <u>Gyeonggi-do</u> State: _____ Country: <u>Republic of Korea</u> Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	

<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document serves as an Oath/Declaration (37 CFR 1.63). A. Patent Application No.(s) <u>This application</u>  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B. Patent No.(s)  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Stephen A. Becker, P.C.</u> <u>MCDERMOTT WILL &amp; EMERY LLP</u> Internal Address: <u>Atty. Dkt.: 090104-0442</u> Street Address: <u>500 North Capitol Street, N.W.</u>  City: <u>Washington</u> State: <u>DC</u> Zip: <u>20001</u> Phone Number: <u>(202) 756-8608</u> Fax Number: <u>(202) 756-8087</u> Email Address: <u>mweipdocket@mwe.com</u>	<b>6. Total number of applications and patents involved:</b> <input type="text" value="1"/> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) <b>8. Payment Information</b> Deposit Account Number <u>50-0417</u> Authorized User Name <u>Stephen A. Becker, P.C.</u>
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<b>9. Signature:</b>  _____ Signature <u>Stephen A. Becker, P.C. - 26,527</u> Name of Person Signing	<u>November 21, 2012</u> Date Total number of pages including cover sheet, attachments, and documents: <input type="text" value="2"/>
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

(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) OH, Hwa Young (3) MOON, Dong Su
- (2) LEE, Sang Jin (4) \_\_\_\_\_

who have made a certain new and useful invention, hereby sell, assign and transfer unto  
SAMSUNG ELECTRO-MECHANICS CO., LTD.

314 Maetan 3-dong, Yeongtong-gu, Suwon, Gyunggi-do, Republic of Korea

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

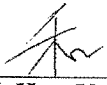
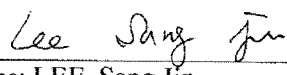

**VIBRATION GENERATION DEVICE**

(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)  Name: OH, Hwa Young	<u>2012. 11. 2</u>
2)  Name: LEE, Sang Jin	<u>2012. 11. 2</u>
3)  Name: MOON, Dong Su	<u>2012. 11. 2</u>