

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
CONVEYING PARTY DATA																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Yong Jin KIM</td><td>08/31/2009</td></tr> <tr><td>Jun Kun CHOI</td><td>08/31/2009</td></tr> <tr><td>Jae Woo JUN</td><td>08/31/2009</td></tr> <tr><td>Ki Suk WOO</td><td>08/31/2009</td></tr> <tr><td>Kwang Hyung LEE</td><td>08/31/2009</td></tr> <tr><td>Je Hyun BANG</td><td>08/31/2009</td></tr> <tr><td>Seok Jun PARK</td><td>08/31/2009</td></tr> <tr><td>Kyung Ho LEE</td><td>08/31/2009</td></tr> <tr><td>Hwa Young OH</td><td>08/31/2009</td></tr> </tbody> </table>		Name	Execution Date	Yong Jin KIM	08/31/2009	Jun Kun CHOI	08/31/2009	Jae Woo JUN	08/31/2009	Ki Suk WOO	08/31/2009	Kwang Hyung LEE	08/31/2009	Je Hyun BANG	08/31/2009	Seok Jun PARK	08/31/2009	Kyung Ho LEE	08/31/2009	Hwa Young OH	08/31/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name:</td><td>SAMSUNG ELECTRO-MECHANICS CO., LTD.</td></tr> <tr><td>Street Address:</td><td>314, Maetan 3-dong, Yeongtong-gu, Suwon</td></tr> <tr><td>City:</td><td>Gyeonggi-do</td></tr> <tr><td>State/Country:</td><td>REPUBLIC OF KOREA</td></tr> <tr><td>Postal Code:</td><td>443-743</td></tr> </table>		Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.	Street Address:	314, Maetan 3-dong, Yeongtong-gu, Suwon	City:	Gyeonggi-do	State/Country:	REPUBLIC OF KOREA	Postal Code:	443-743										
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CORRESPONDENCE DATA																					
Fax Number: (408)720-8383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 408-720-8300 Email: janece_shannon@bstz.com Correspondent Name: BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP Address Line 1: 1279 OAKMEAD PARKWAY Address Line 4: SUNNYVALE, CALIFORNIA 94085-4040																					

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PATENT
REEL: 023256 FRAME: 0017

ATTORNEY DOCKET NUMBER:	8153.P046
NAME OF SUBMITTER:	Robert O'Rourke
Total Attachments: 3 source=8753P046_Assignment_9_18_2009#page1.tif source=8753P046_Assignment_9_18_2009#page2.tif source=8753P046_Assignment_9_18_2009#page3.tif	

ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: 8753.P046

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, KIM, Yong Jin, CHOI, Jun Kun, JUN, Jae Woo
WOO, Ki Suk, LEE, Kwang Hyung, BANG, Je Hyun, PARK, Seok Jun
LEE, Kyung Ho, OH, Hwa Young,
hereby sell, assign, and transfer to SAMSUNG ELECTRO-MECHANICS CO., LTD.,

a corporation of Korea
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at 314, Maetan 3-dong, Yeongtong-gu, Suwon,
Gyeonggi-do 443-743, Korea

("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled HORIZONTAL LINEAR VIBRATOR

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

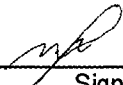
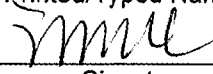
United States Patent Application Number 12/562,967 filed September 18, 2009,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

<u>8.31</u> , 20 <u>09</u> Date	<u></u> Signature
	<u>KIM, Yong Jin</u> Printed/Typed Name
<u>8.31</u> , 20 <u>09</u> Date	<u></u> Signature
	<u>CHOI, Jun Kun</u> Printed/Typed Name
<u>8.31</u> , 20 <u>09</u> Date	<u>Jun</u> Signature
	<u>JUN, Jae Woo</u> Printed/Typed Name
<u>8.31</u> , 20 <u>09</u> Date	<u>Woo Ki Suk</u> Signature
	<u>WOO, Ki Suk</u> Printed/Typed Name
<u>8.31</u> , 20 <u>09</u> Date	<u>Lee Kwang Hyung</u> Signature
	<u>LEE, Kwang Hyung</u> Printed/Typed Name
<u>8.31</u> , 20 <u>09</u> Date	<u>Bang Je Hyun</u> Signature
	<u>BANG, Je Hyun</u> Printed/Typed Name

8.31, 2009
Date

Park Seok Jun
Signature

PARK, Seok Jun
Printed/Typed Name

2.21, 2009
Date

[Signature]
Signature

LEE, Kyung Ho
Printed/Typed Name

8.31, 2009
Date

Oh hwa young
Signature

OH, Hwa Young
Printed/Typed Name

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300