

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3055901

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SEUNG MO LIM	07/23/2014
HO PHIL JUNG	07/23/2014
WON HAN	07/23/2014
DONG JOON OH	07/24/2014
SUNG WOOK KIM	07/23/2014
TAE JOON PARK	07/23/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRO-MECHANICS CO., LTD.
<b>Street Address:</b>	MAEYOUNG-RO 150 (MAETAN-DONG), YOUNGTONG-GU, SUWON-SI
<b>City:</b>	GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	443-743
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14508770
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	713-223-2300
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<b>Address Line 1:</b>	P.O. BOX 61389
<b>Address Line 4:</b>	HOUSTON, TEXAS 77208-1389
<b>ATTORNEY DOCKET NUMBER:</b>	049735.300295 (SEM295)
<b>NAME OF SUBMITTER:</b>	ESMERALDA MENDOZA
<b>SIGNATURE:</b>	/Brad Y. Chin/
<b>DATE SIGNED:</b>	10/07/2014
<b>Total Attachments: 7</b>	
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## ASSIGNMENT

WHEREAS, LIM, Seung Mo, JUNG, Ho Phil, HAN, Won, OH, Dong Joon, KIM, Sung Wook and PARK, Tae Joon are the inventors of "QUARTZ VIBRATOR AND MANUFACTURING METHOD OF THE SAME", for which application for United States Letters Patent was filed on October 7, 214, as U.S. Application No. 14/508,770 (responsible attorney has authorization to fill in serial number and filing date upon filing); and

WHEREAS, Samsung Electro-Mechanics Co., Ltd., whose post office address is Maeyoung-Ro 150 (Maetan-Dong), Youngtong-Gu, Suwon-Si, Gyeonggi-Do, Republic of Korea (zipcode: 443-743), a corporation created and existing under and by virtue of the laws of Republic of Korea, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world; and

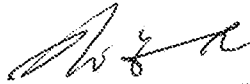
NOW, THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, we the inventors hereby sell, assign, transfer, and set over to Samsung Electro-Mechanics Co., Ltd., all right, title and interest in and to the said invention throughout the entire world, in and to said application for U.S. Letters Patent, and any and all divisions, continuations, substitutions, continuations-in-part, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefore on such inventions or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States. The assignments and transfers described herein are to be held and enjoyed by Samsung Electro-Mechanics Co., Ltd., for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made. We further hereby assign and transfer to said corporation whatever cause of action we may have for past or present infringement of said invention, together with the right to bring suit for any such infringement and to seek and receive damages and other relief arising from any such infringement.

We the inventors do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to Samsung Electro-Mechanics Co., Ltd., as assignee of my entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

We the inventors do further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefore to Samsung Electro-Mechanics Co., Ltd., its successors, assigns, or other legal representatives and that if Samsung Electro-Mechanics Co., Ltd., its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and for the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

We the inventors do further covenant and agree that we will, at any time upon request, communicate to Samsung Electro-Mechanics Co., Ltd., its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as maybe known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 23 day of July, 2014



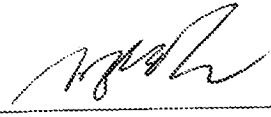
Inventor: LIM, Seung Mo

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EXECUTED THIS 25 day of 7<sup>th</sup>, 201 .



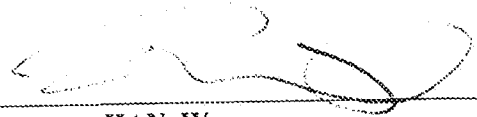
Inventor: JUNG, Ho Phil

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EXECUTED THIS 23<sup>rd</sup> day of July, 2014



Inventor: HAN, Won

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EXECUTED THIS 24 day of July, 2014.

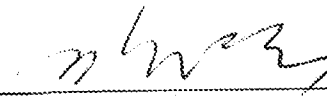
  
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Inventor: OH, Dong Joon

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EXECUTED THIS 27 day of Jul, 2014.

  
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Inventor: KIM, Sung Wook

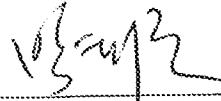
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EXECUTED THIS 23 day of July, 2014.



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Inventor: PARK, Tae Joon

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