

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Seok-whan CHUNG</td> <td>01/14/2010</td> </tr> <tr> <td>Dong-kyun KIM</td> <td>01/14/2010</td> </tr> <tr> <td>Byung-gil JEONG</td> <td>01/14/2010</td> </tr> <tr> <td>Jun-sik HWANG</td> <td>01/14/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Seok-whan CHUNG | 01/14/2010 | Dong-kyun KIM | 01/14/2010 | Byung-gil JEONG | 01/14/2010 | Jun-sik HWANG | 01/14/2010 |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu,</td> </tr> <tr> <td>Internal Address:</td> <td>Gyeonggi-do,</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table> | | Name: | Samsung Electronics Co., Ltd. | Street Address: | 416, Maetan-dong, Yeongtong-gu, | Internal Address: | Gyeonggi-do, | City: | Suwon-si | State/Country: | REPUBLIC OF KOREA |
| Name: | Samsung Electronics Co., Ltd. | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12693481</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12693481 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12693481 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (202)293-7860 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-293-7060 Email: mleahy@sughrue.com Correspondent Name: SUGHRUE MION, PLLC Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W. Address Line 2: SUITE 800 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20037</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | Q116381 | | | | | | | | | | |
| NAME OF SUBMITTER: | Christopher R. Lipp | | | | | | | | | | |
| Total Attachments: 1 | | | | | | | | | | | |

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PATENT
REEL: 023844 FRAME: 0518

REEL: 023844 FRAME: 0520


Whereas, We, Seok-whan CHUNG of Suwon-si, Republic of Korea; Dong-kyun KIM of Suwon-si, Republic of Korea; Byung-gil JEONG of Anyang-si, Republic of Korea; and Jun-sik HWANG of Hwasong-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in PIEZOELECTRIC MICRO SPEAKER INCLUDING WEIGHT ATTACHED TO VIBRATING MEMBRANE AND METHOD OF MANUFACTURING THE SAME and executed an application for Letters Patent of the United States of America therefor on _____; and


Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;


Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,


We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number, confirmation number, and filing date of said application when known.

Date: 14 January 2010 
s/Seok-whan CHUNG

Date: 14 January 2010 
s/Song-kyun KIM

Date: 14 January 2010 
s/Byung-gil JEONG

Date: 14 January 2010 
s/Jun-sik HWANG

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)