**PATENT ASSIGNMENT**

Electronic Version v1.1
Stylesheet Version v1.1

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<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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<td>ASSIGNMENT</td>
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**CONVEYING PARTY DATA**

<table>
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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Seok Joon HWANG</td>
<td>01/20/2012</td>
</tr>
<tr>
<td>Je Jung KIM</td>
<td>01/20/2012</td>
</tr>
<tr>
<td>Jae Yeol CHOI</td>
<td>01/28/2012</td>
</tr>
<tr>
<td>Sang Hoon KWON</td>
<td>01/20/2012</td>
</tr>
</tbody>
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**RECEIVING PARTY DATA**

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<tr>
<th>Name:</th>
<th>SAMSUNG ELECTRO-MECHANICS CO., LTD.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>314 Maetan 3-Dong, Yeongtong-gu, Suwon,</td>
</tr>
<tr>
<td>City:</td>
<td>Gyunggi-do</td>
</tr>
<tr>
<td>State/Country:</td>
<td>KOREA, REPUBLIC OF</td>
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**PROPERTY NUMBERS Total: 1**

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<td>Application Number</td>
<td>13534812</td>
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**CORRESPONDENCE DATA**

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<tr>
<th>Fax Number:</th>
<th>(202)756-8087</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone:</td>
<td>202-756-8000</td>
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<tr>
<td>Email:</td>
<td><a href="mailto:washington_ip_docket@mwe.com">washington_ip_docket@mwe.com</a></td>
</tr>
</tbody>
</table>

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

<table>
<thead>
<tr>
<th>Correspondent Name:</th>
<th>MCDERMOTT WILL &amp; EMERY LLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address Line 1:</td>
<td>600 13TH STREET, N.W.</td>
</tr>
<tr>
<td>Address Line 4:</td>
<td>WASHINGTON, DISTRICT OF COLUMBIA 20005-3096</td>
</tr>
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**ATTORNEY DOCKET NUMBER:** 090104-0260

**NAME OF SUBMITTER:** Stephen A. Becker

Total Attachments: 2
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PATENT
REEL: 028454 FRAME: 0514
**RECORDATION FORM COVER SHEET**

**Docket No.: 090104-0260**  
**PATENTS ONLY**

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

1. **Name of Conveying Party(ies)**  
   Seok Joon HWANG, Je Jung KIM, Jae Yeol CHOJ, Sang Hoon KWON

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. **Name and address of receiving party(ies)**  
   Name: SAMSUNG ELECTRO-MECHANICS CO., LTD.  
   Internal Address:  
   Address: 314 Maetan 3-dong, Yeongtong-gu, Suwon, Gyunggi-do, Republic of Korea

3. **Nature of Conveyance/Execution Date(s)**  
   Execution Date(s): January 20, 2012; January 20, 2012; January 28, 2012 and January 20, 2012 respectively

   ☒ Assignment  ☐ Merger  
   ☐ Security Agreement  ☐ Change of Name  
   ☐ Joint Research Agreement  
   ☐ Government Interest Assignment  
   ☐ Executive Order 9424, Confirmatory License

4. **Application or patent number(s):**  
   A. Patent Application No(s).

   ☒ This document is being filed together with a new application.  
   B. Patent No(s).

5. **Name and address to whom correspondence concerning document should be mailed:**  
   Name: MCDERMOTT WILL & EMERY LLP  
   Internal Address:  
   Street Address: 600 13th Street, N.W.  
   City: Washington, State: DC Zip: 20005-3096 D.C.

   Phone Number: 202.756.8000  
   Fax Number: 202.756.8087  
   Email Address: mweipdocket@mwe.com

6. **Total number of applications and patents involved:**

7. **Total fee (37 CFR 1.21(h) & 3.41)** $40.00  
   ☒ Authorized to be charged to deposit account  
   ☐ Authorize to be charged by credit card  
   ☐ Enclosed  
   ☐ None required (government interest not affecting title)

8. **Payment Information:**
   a. Credit Card  
      Last 4 Numbers  
      Expiration Date
   b. Deposit Account Number 500417  
      Authorized User Name

9. **Signature.**  
   **Stephen A. Becker 26,527**  
   Name and Registration No. of Person Signing  
   Signature  
   Date: June 27, 2012

   Total number of pages including cover sheet, attachments and documents: 2

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**PATENT**  
**REEL: 028454 FRAME: 0515**
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) HWANG, Seok Joon
(2) KIM, Je Jung
(3) CHOI, Jae Yeol
(4) KWON, Sang Hoon
(5) 
(6) 
(7) 
(8) 

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, Gyeonggi-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 MULTILAYER CERAMIC ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THE SAME

(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

1) HWANG, Seok Joon
2) KIM, Je Jung
3) CHOI, Jae Yeol
4) KWON, Sang Hoon

DATE SIGNED

2012. 01. 20
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