

06-07-2005



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113262 U.S. PTO  
11/140680



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<b>103016096</b> <b>PATENTS ONLY</b>	
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)/Execution Date(s):</b> Han Kim (04/07/2005), Byoung Y. Min (04/07/2005), Young W. Kim (04/07/2005), Young J. Lee (04/07/2005), and Execution Date(s): in parentheses after inventor name Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input 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: <u>314, Maetan-3dong</u> <u>Youngtong-gu, Suwon-si</u> City: <u>Kyunggi-do</u> State: _____ Country: <u>Republic of Korea</u> Zip: <u>443-743</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of Conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <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 checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Joseph R. Robinson</u> <u>DARBY &amp; DARBY P.C.</u> Internal Address: Atty. Dkt.: 20345/0202817-USO Street Address: <u>P.O. Box 5257</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10150-5257</u> Phone Number: <u>(212) 527-7783</u> Fax Number: <u>(212) 753-6237</u> Email Address: <u>jrobinson@darbylaw.com</u>	<b>6. Total number of applications and patents involved:</b> <u>1</u> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) <b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____
<b>9. Signature:</b> <u>[Signature]</u> <u>Fzmm Bannan</u> <u>(53,970)</u> Signature _____ Date <u>May 26, 2005</u> <u>Y. Jae Kim - 53,128</u> Name of Person Signing _____ Total number of pages including cover sheet, attachments, and documents: <u>5</u>	

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**PATENT**  
**REEL: 016642 FRAME: 0486**

Chang M. Ryu (04/07/2005)

Assignee Name: \_\_\_\_\_

Internal Address:

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Assignee Name: \_\_\_\_\_

Internal Address:

**Street Address:**

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address:

**Street Address:**

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

**Additional Patent Application Numbers**  
4A. Continued:

Additional Patent Numbers  
4B. Continued:

**Additional numbers attached?**

☐ Yes ☐ No

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## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

### PRINTED CIRCUIT BOARD HAVING THREE-DIMENSIONAL SPIRAL INDUCTOR AND METHOD OF FABRICATING SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_\_, (Application No. \_\_\_\_\_); and

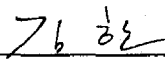
WHEREAS, **Samsung Electro-Mechanics Co., Ltd.**, a corporation of Korea, whose post office address is **314, Maetan-3dong, Youngtong-gu, Suwon-si, Kyunggi-do 443-743, Republic of Korea** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s):

Full Name of Sole or First Assignor <b>Han KIM</b>	Assignor's Signature 	Date <b>7. 4. 2005</b>
Address <b>205-902, Saemmeori Apt., Dunsan 2-dong, Seo-gu, Daejeon 302-777, Korea</b>		Citizenship <b>Korea</b>

WITNESS:


I certify that I know or have satisfactory evidence that **Han KIM** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: April 7, 2005

x  
Signature

Printed Name:

Jang, Soo-Young

Full Name of Sole or First Assignor <b>Byoung Youl MIN</b>	Assignor's Signature 	Date <b>7.4.2005</b>
Address <b>613-1805, Parkview, 6, Jeongja-dong, Bundang-gu, Seongnam-si, Kyunggi-do 463-863, Korea</b>		Citizenship <b>Korea</b>

WITNESS:

I certify that I know or have satisfactory evidence that **Byoung Youl MIN** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

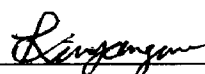
Dated: April 7, 2005

x  
Signature

Printed Name:

Jang, Soo Young

\*\*\*\*\*

Full Name of Sole or First Assignor <b>Young Woo KIM</b>	Assignor's Signature 	Date <b>April 7, 2005</b>
Address <b>202-203, Sinheung Jugong Apt., Jochiwon-eup, Yeongi-gun, Chungcheongnam-do 339-751, Korea</b>		Citizenship <b>Korea</b>

WITNESS:

I certify that I know or have satisfactory evidence that **Young Woo KIM** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: April 7, 2005

x  
Signature

Printed Name:

Jang, Soo Young

\*\*\*\*\*