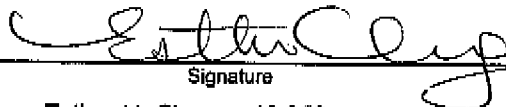


Form PTO-1595 (Rev. 03-05)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

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):</b><br>Seong Cheol HAN (04/10/2007), Seung Heon YANG (04/10/2007), Jong Keun YOUN (04/09/2007), Byoung Ho CHOI (04/09/2007)<br>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><br>Name: <u>LG Electronics Inc.</u><br>Internal Address: _____<br>Street Address: _____<br><br>20, Yoido-dong, Youngdungpo-gu<br><br>City: <u>Seoul</u><br>State: _____<br>Country: <u>Republic of Korea</u> Zip: _____<br>Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s): <u>In parentheses after inventor name</u><br><input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input type="checkbox"/> Executive Order 9424, Confirmatory License<br><input checked="" type="checkbox"/> Other <u>Document to correct Assignment previously recorded at Reel 019939, Frame 0672 to identify Munhwa Broadcasting Corp. as additional Assignee</u> | <b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s)<br><u>11/735,360</u><br><br>B. Patent No.(s)<br><br>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><br>Name: <u>Esther H. Chong</u><br><u>BIRCH, STEWART, KOLASCH &amp; BIRCH,</u><br><u>LLP</u><br>Internal Address: <u>Atty. Dkt.: 0465-1703PUS1</u><br>Street Address: <u>8110 Gatehouse Road</u><br><u>Suite 100 East</u><br><u>P.O. Box 747</u><br><br>City: <u>Falls Church</u><br>State: <u>VA</u> Zip: <u>22040-0747</u><br>Phone Number: <u>(703) 205-8000</u><br>Fax Number: <u>(703) 205-8050</u><br>Email Address: <u>mailroom@bskb.com</u>                                                                                                                        | <b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span><br><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u><br><input type="checkbox"/> Authorized to be charged by credit card<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account (if necessary since fee was previously paid 9/24/09)<br><input type="checkbox"/> Enclosed<br><input type="checkbox"/> None required (government interest not affecting title) |
| <b>9. Signature:</b><br><div style="text-align: center; margin-top: 20px;"> <br/>         _____<br/>         Signature       </div> <div style="text-align: center; margin-top: 10px;"> <u>Esther H. Chong - 40,953</u><br/>         Name of Person Signing       </div>                                                                                                                                                                                                                                                                                                        | <b>8. Payment Information</b><br>a. Credit Card Last 4 Numbers _____<br>Expiration Date _____<br>b. Deposit Account Number <u>02-2448</u><br>Authorized User Name <u>Esther H. Chong</u>                                                                                                                                                                                                                                                                                                                                                    |
| <b>OCT 21 2009</b><br>Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">18</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

CH \$40.00 022448 11735360

| Form PTO-1595                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                    | <b>RECORDATION FORM COVER SHEET<br/>(continued)</b> |  |                                                         |                                             |                              |                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|---------------------------------------------------------|---------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional Conveying Party(ies)/Execution Date(s) (1. Continued):</b><br>Jae Do KWAK (04/10/2007), Jin Tae KIM (04/10/2007), and Mun Ho JUNG (04/10/2007)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                    |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |
| <b>Additional Assignees (2. Continued):</b><br><br>Assignee Name: <u>MUNHWA BROADCASTING CORP.</u><br>Internal Address: _____<br>Street Address: <u>31, Yeouido-dong, Yeongdeungpo-gu</u><br><br>City: <u>Seoul</u> State: _____ Country: <u>Republic of Korea</u> Zip: _____                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                    |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |
| <br>Assignee Name: _____<br>Internal Address: _____<br>Street Address: _____<br><br>City: _____ State: _____ Country: _____ Zip: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                    |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |
| <br>Assignee Name: _____<br>Internal Address: _____<br>Street Address: _____<br><br>City: _____ State: _____ Country: _____ Zip: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                    |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |
| <b>Additional Applications and/or Patents (4. Continued):</b> <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 50%; padding: 5px;">Additional Patent Application Numbers<br/>4A. Continued:</th><th style="width: 50%; padding: 5px;">Additional Patent Numbers<br/>4B. Continued:</th></tr></thead><tbody><tr><td style="height: 150px; vertical-align: bottom; padding: 5px;">Additional numbers attached?</td><td style="height: 150px; vertical-align: bottom; padding: 5px;"><div style="display: flex; justify-content: space-around;"><span><input type="checkbox"/> Yes</span><span><input type="checkbox"/> No</span></div></td></tr></tbody></table> |                                                                                                                                                    |                                                     |  | Additional Patent Application Numbers<br>4A. Continued: | Additional Patent Numbers<br>4B. Continued: | Additional numbers attached? | <div style="display: flex; justify-content: space-around;"><span><input type="checkbox"/> Yes</span><span><input type="checkbox"/> No</span></div> |
| Additional Patent Application Numbers<br>4A. Continued:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Additional Patent Numbers<br>4B. Continued:                                                                                                        |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |
| Additional numbers attached?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <div style="display: flex; justify-content: space-around;"><span><input type="checkbox"/> Yes</span><span><input type="checkbox"/> No</span></div> |                                                     |  |                                                         |                                             |                              |                                                                                                                                                    |

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

10/10/2007  
500372710

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NEW ASSIGNMENT                 |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|---------------------|---------------------|--------------------------------|-----------------|------------|----------------|--------------------|----------------|------------|-------------|------------|-------------|------------|-------------|------------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                                                                               | ASSIGNMENT                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Seong Cheol Han</td><td>04/10/2007</td></tr><tr><td>Seung Heon Yang</td><td>04/10/2007</td></tr><tr><td>Jong Kaun Youn</td><td>04/09/2007</td></tr><tr><td>Byoung Ho Chul</td><td>04/09/2007</td></tr><tr><td>Jae Do Kwak</td><td>04/10/2007</td></tr><tr><td>Jin Taa Kim</td><td>04/10/2007</td></tr><tr><td>Mun Ho Jung</td><td>04/10/2007</td></tr></tbody></table> |                                | Name          | Execution Date      | Seong Cheol Han     | 04/10/2007                     | Seung Heon Yang | 04/10/2007 | Jong Kaun Youn | 04/09/2007         | Byoung Ho Chul | 04/09/2007 | Jae Do Kwak | 04/10/2007 | Jin Taa Kim | 04/10/2007 | Mun Ho Jung | 04/10/2007 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Execution Date                 |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Seong Cheol Han                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 04/10/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Seung Heon Yang                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 04/10/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Jong Kaun Youn                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 04/09/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Byoung Ho Chul                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 04/09/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Jae Do Kwak                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 04/10/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Jin Taa Kim                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 04/10/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Mun Ho Jung                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 04/10/2007                     |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| <table border="1"><tr><td>Name:</td><td>LG Electronics Inc.</td></tr><tr><td>Street Address:</td><td>20, Yoido-dong, Youngdungpo-gu</td></tr><tr><td>City:</td><td>Seoul</td></tr><tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr></table>                                                                                                                                                                                                               |                                | Name:         | LG Electronics Inc. | Street Address:     | 20, Yoido-dong, Youngdungpo-gu | City:           | Seoul      | State/Country: | KOREA, REPUBLIC OF |                |            |             |            |             |            |             |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LG Electronics Inc.            |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20, Yoido-dong, Youngdungpo-gu |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Seoul                          |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                      | KOREA, REPUBLIC OF             |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11735360</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                        |                                | Property Type | Number              | Application Number: | 11735360                       |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number                         |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11735360                       |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Fax Number: (703)205-8050<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                                                                                                                                                                                                                                                                                                                                   |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Phone: 703-205-8000                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Email: gallantj@bskb.com                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Correspondent Name: Birch, Stewart, Kolasch & Birch, LLP                                                                                                                                                                                                                                                                                                                                                                                                            |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Address Line 1: 8110 Gatehouse Road, Suite 100 East                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| Address Line 4: Falls Church, VIRGINIA 22040-0747                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0465-1703PLUS1                 |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Esther H. Chong                |               |                     |                     |                                |                 |            |                |                    |                |            |             |            |             |            |             |            |

CH \$40.00 11735360

OCT-21-2009 WED 06:43 PM BSKB FAX 403  
SEP-24-2009 THU 09:04 PM BSKB FAX 401

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FAX NO. 7032058050

P. 17  
P. 10/13

Total Attachments: 3

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OMB No. 0551-0027 (exp. 8/30/2006)

09-25-2009

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103575210

To the Director of the U.S. Patent and Trademark Office, or the new address(es) below.

## 1. Name of conveying party(ies):

Seong Chaol HAN (04/10/2007), Seung Heon  
YANG (04/10/2007), Jong Keun YOUN  
(04/09/2007), Byoung Ho CHOI (04/09/2007).

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

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s): In parentheses after inventor name

☐ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☒ Other Correction of NCR filed 10/10/2007, Reel 019936, Frame 0872

## 2. Name and address of receiving party(ies)

Name: LG Electronics Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

20, Yoldo-dong, Youngdungpo-gu

City: Seoul

State: \_\_\_\_\_

Country: Republic of Korea Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☒ Yes ☐ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

11/735,360

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: Esther H. Chong  
BIRCH, STEWART, KOLASCH & BIRCH,  
LLP

Internal Address: Atty. Dkt.: 0465-1703PUS1

Street Address: 8110 Gatehouse Road  
Suite 100 East  
P.O. Box 747

City: Falls Church

State: VA Zip: 22040-0747

Phone Number: (703) 205-8000

Fax Number: (703) 205-8050

Email Address: mailroom@bskb.com

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

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 02-2448

Authorized User Name Esther H. Chong

## 9. Signature:

Esther H. Chong  
Signature

September 24, 2009

Date

Esther H. Chong - 40.953

Name of Person Signing

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

13

| Form PTO-1593                                                                                                                                                |  | RECORDATION FORM COVER SHEET<br>(continued)              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|--|
| <b>Additional Conveying Party(ies)/Execution Date(s) (1. Continued):</b><br>Jae Do KWAK (04/10/2007), Jin Tae KIM (04/10/2007), and Mun Ho JUNG (04/10/2007) |  |                                                          |  |
| <b>Additional Assignees (2. Continued):</b>                                                                                                                  |  |                                                          |  |
| Assignee Name: <u>MUNHWA BROADCASTING CORP.</u>                                                                                                              |  |                                                          |  |
| Internal Address:                                                                                                                                            |  |                                                          |  |
| Street Address: <u>31, Yeouido-dong, Yeongdeungpo-gu</u>                                                                                                     |  |                                                          |  |
| City: <u>Seoul</u> State: _____ Country: <u>Republic of Korea</u> Zip: _____                                                                                 |  |                                                          |  |
| Assignee Name: _____                                                                                                                                         |  |                                                          |  |
| Internal Address:                                                                                                                                            |  |                                                          |  |
| Street Address:                                                                                                                                              |  |                                                          |  |
| City: _____ State: _____ Country: _____ Zip: _____                                                                                                           |  |                                                          |  |
| Assignee Name: _____                                                                                                                                         |  |                                                          |  |
| Internal Address:                                                                                                                                            |  |                                                          |  |
| Street Address:                                                                                                                                              |  |                                                          |  |
| City: _____ State: _____ Country: _____ Zip: _____                                                                                                           |  |                                                          |  |
| <b>Additional Applications and/or Patents (4. Continued):</b>                                                                                                |  |                                                          |  |
| Additional Patent Application Numbers<br>4A. Continued:                                                                                                      |  | Additional Patent Numbers<br>4B. Continued:              |  |
| Additional numbers attached?                                                                                                                                 |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |

ATTORNEY DOCKET NO. 0465-1703PDS1

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS..

**ASSIGNMENT**

Application No. 11/735,360

Filed 4/12/07

Inventor Name(s)  
of Invention(s)

---(Given Name FAMILY NAME (ALL CAPS))---

WHEREAS, Seong Cheol HAN; Joo Do KWAK; Seung Hee YANQ; Jong Keun YOUNG; Hyung Ho CHOI; Jin Tae KIM; and Min He JUNG (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Invent Title  
of Invention

APPARATUS FOR TRANSMITTING BROADCAST SIGNAL, METHOD THEREOF, METHOD OF REPRODUCING BROADCAST SIGNAL AND APPARATUS FOR RECEIVING BROADCAST SIGNAL.

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Invent Date  
of Signing of  
Application  
Invent Name  
of Assignee  
Invent Address  
of Assignee

on 4/10/07, 4/10/07, 4/9/07, 4/9/07, 4/10/07, 4/10/07 and 4/10/07, respectively

WHEREAS, LG ELECTRONICS INC. and MUNHWA BROADCASTING CORP.

of 20, Yeouido-dong, Yongsongpo-gu, Seoul, REPUBLIC OF KOREA 150-721; and 31, Yeouido-dong, Yongsongpo-gu, Seoul, REPUBLIC OF KOREA, respectively

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX  
IF APPROPRIATE

☒ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted;

in equal undivided amounts unless specific undivided amounts are listed below:

OWNERSHIP  
INTEREST

Assignee 1 (100 %); Assignee 2 (50 %); Assignee 3 (\_\_\_ %).

Attorney Docket No. 0485-1703PLIS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent(s) and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees or fully and entirely as the same would have been held by the undersigned if this Assignment and said had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest, herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolarch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary as desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recording of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or circumstance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| Date <u>2009. 4. 10</u>   | Name of Inventor <u>Seong Cheol YAN</u><br>(signature) Seong Cheol YAN |
| Date <u>09. 4. 10</u>     | Name of Inventor <u>Pi Sun</u><br>(signature) Seung Hoon YANG          |
| Date <u>April 9, 2009</u> | Name of Inventor <u>Jong Keun YOUN</u><br>(signature) Jong Keun YOUN   |
| Date <u>2009. 4. 9</u>    | Name of Inventor <u>Byoung Ho CHO</u><br>(signature) Byoung Ho CHO     |
| Date <u>09. 4. 10</u>     | Name of Inventor <u>Jae Do KWAK</u><br>(signature) Jae Do KWAK         |
| Date <u>2009. 4. 10</u>   | Name of Inventor <u>Jin Tae KIM</u><br>(signature) Jin Tae KIM         |

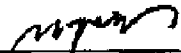
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0461 703PUS1

Date 2009. 9. 10

Name of Inventor   
(signature) Man Ho JUNG

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