

Form PTO-1595 1-3-92	R 11-07-2008  103534102	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office TTER Docket No.: 2101-3110
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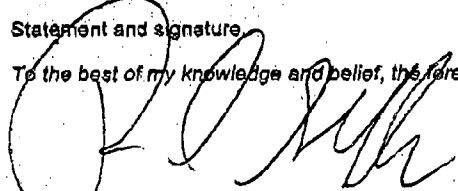
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1. Name of conveying party: Bong-Hoe KIM, Dong-Youn SEO, Dong-Hee SHIM 2. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input checked="" type="checkbox"/> Other <u>Corrective Inventor's Name from Previous Recordation</u> <u>Reel/Frame number 016441/0592</u> Execution Date: March 29, 2005	2. Name and address of receiving party(ies): LG ELECTRONICS INC. 20, Yoido-dong, Youngdungpo-gu Seoul, Korea Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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4. Application number(s) or patent number(s): A. Patent Application No.(s) 11/097,017	<input type="checkbox"/> This document is being filed together with a new application. B. Patent No.(s) N/A Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5. Name and address of party to whom correspondence concerning document should be mailed: JONATHAN Y. KANG, ESQ. LEE, HONG, DEGERMAN, KANG & WAIMEY 660 South Figueroa Street Suite 2300 Los Angeles, CA 90017	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41) \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 502290 (Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  Richard C. Salfelder, Reg. No. 51,127	Date: November 5, 2008
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OMB No. 0651-0011 (exp. 4/94)

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 2101-3110

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Dong-Hee Shim, Dong-Yeon Seo and Bong-Hoe Kim

2. Additional name(s) of conveying party(ies) attached? Yes No

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

LG ELECTRONICS INC.
20, Yoldo-dong, Youngdungpo-gu
Seoul, Korea

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: March 29, 2005

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

4. Application number(s) or patent number(s): FILED HEREWITH

If this document is being filed together with a new application, the execution date of the application is: March 31, 2005

A. Patent Application No.(s) N/A

B. Patent No.(s)

Additional numbers attached? Yes No

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

JONATHAN Y. KANG, ESQ.
LEE, HONG, DEGERMAN, KANG & SCHMADEKA
801 S. Figueroa Street
14th Floor
Los Angeles, CA 90017

6. Total number of applications and patents involved: [1]

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Attorney Docket No.

ASSIGNMENT

- (1-8) Insert Name(s) of Inventor(s)
 - (1) Bong-Hoe KIM (5)
 - (2) Dong-Youn SEO (6)
 - (3) Dong-Hee SHIM (7)
 - (4) (8)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (9) Insert name of Assignee (9) LG Electronics Inc.
- (10) Insert state of Incorporation of Assignee (10) Republic of Korea
- (11) Insert address of Assignee (11) 20, Yoido-dong, Yongdungpo-gu Seoul, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

- (12) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (12) TRANSMISSION METHOD FOR DOWNLINK CONTROL SIGNAL IN MIMO SYSTEM

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

- (13) Insert Date of Signing of Application (13) March 29, 2005

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or division or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith. The undersigned hereby appoints JONATHAN Y. KANG, REG. NO. 38,199; F. JASON FAR-HADIAN, REG. NO. 42,529; AMIT S. SHETH, REG. NO. 50,176; RICHARD CARL SALFELDER, REG. NO. 51,127; LEW EDWARD V. MACAPAGAL, REG. NO. 55,416; ROBERT E. KASODY, REG. NO. 50,268

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 2005-3-29 Signature of Inventor: [Signature]

Date: 2005-3-29 Signature of Inventor: [Signature]

Date: 2005-3-29 Signature of Inventor: [Signature]

Date: _____ Signature of Inventor: _____