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Attorney Docket No:5000-1-968

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):  
Jae-Hoon LEE; Byung-Jik KIM; Seong-Taek HWANG;  
Sang-Ho KIM

2. Name and address of receiving party(ies):  
Name: SAMSUNG ELECTRONICS CO., LTD.  
Address: 416, MAETAN-DONG, YEONGTONG-GU  
SUWON-SI, GYEONGGI-DO  
REPUBLIC OF KOREA

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

3. Nature of conveyance:

Assignment  Merger  
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Other: \_\_\_\_\_

Execution Date: December 18, 2006

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

If this document is being filed together with a new application, the execution date of the application is: December 18, 2006

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Steve Cha  
Address: CHA & REITER  
210 Route 4 East, Suite #103  
Paramus, New Jersey 07652

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account, if necessary - for overages or underpayments only

8. Deposit account number: 502-470  
(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 information is true and correct and any attached copy is a true copy of the original document.

Steve Cha, Reg No.44,069  
Name of Person Signing

Signature

12-20-06  
Date

Total number of pages including cover sheet, attachments, and document:4

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Assistant Commissioner for Patents  
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(BDSM 8)  
(9/94)

PATENT  
REEL: 018735 FRAME: 0476

11/642260 U.S. PTO



122006

**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Jae-Hoon LEE of  
327, Shinsigaji 13-danji APT., Sinjeong 6-dong, Yangcheon-gu, Seoul, Republic of Korea
- 2) Byung-Jik KIM of  
221, Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
- 3) Seong-Taek HWANG of  
#102-303, Daerim APT., Dokgok-dong, Pyeongtaek-si, Gyeonggi-do, Republic of Korea
- 4) Sang-Ho KIM of  
#102-506, Seocho Hyundai APT., 1648-2, Seocho-dong, Seocho-gu, Seoul,  
Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONICS CO., LTD.** of  
**416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO,**  
**REPUBLIC OF KOREA**

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

SINGLE WAVELENGTH BI-DIRECTIONAL ROF LINK APPARATUS FOR  
SIGNAL TRANSMISSION IN TDD WIRELESS SYSTEM  
invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, a

nd uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest t herein.

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

**Name of First Inventor: Jae-Hoon LEE**

Jae-Hoon LEE  
Signature of inventor

Dated: December 18, 2006

WITNESSED: Hee Won Cheung

**Name of Second Inventor: Byung-Jik KIM**

Byung-Jik Kim  
Signature of inventor

Dated: December 18, 2006

WITNESSED: Hee Won Cheung

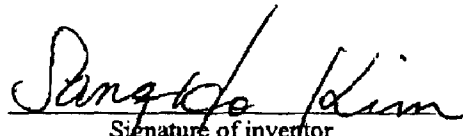
**Name of Third Inventor: Seong-Taek HWANG**

Seong-Taek Hwang  
Signature of inventor

Dated: December 18, 2006

WITNESSED: Hee Won Cheung

Name of Fourth Inventor: Sang-Ho KIM

  
Signature of inventor

Dated: December 18, 2006

WITNESSED: Hee Won Cheung