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Attorney Docket No. 5000-1-635

U.S. PTO  
22264  
10/941711



091504

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Seung-Jin LEE; Yun-Je OH; Jun-Ho KOH;  
Jae-Hun CHO

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

3. Nature of conveyance:

9-15-04

Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: September 9, 2004

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) & address(es) attached?  Yes  No

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: September 9, 2004

A. Patent Application No.(s)

B. Patent No.(s)

10/941711

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

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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  
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Signature

9/15/04  
Date

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(BDSM 8)  
(9/94)

PATENT  
REEL: 015808 FRAME: 0285

## 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) Seung-Jin LEE of  
3<sup>rd</sup> floor, 178-4, Bangi 2-dong, Songpa-gu, Seoul, Republic of Korea
- 2) Yun-Je OH of  
#107-1801, Samsung Raemian 1-cha APT., Mabuk-ri, Guseong-eup, Yongin-si, Gyeonggi-do, Republic of Korea
- 3) Jun-Ho KOH of  
#231-601, Hwanggolmaeul Punggrim APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea
- 4) Jae-Hun CHO of  
#103, 1040-14, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 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:

**TIME DIVISION MULTIPLEXING FRAME FOR MULTIPLEXING DIFFERENT  
SYNCHRONOUS SIGNALS AND METHOD FOR TRANSMITTING AND RECEIVING THE  
SAME**

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, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

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

**Name of First Inventor:** Seung-Jin LEE

Seung-Jin Lee  
Signature of inventor

Dated: September 9, 2004

WITNESSED: Hee-Won CHEUNG

**Name of Second Inventor:** Yun-Je OH

Yun-Je Oh  
Signature of inventor

Dated: September 9, 2004

WITNESSED: Hee-Won CHEUNG

**Name of Third Inventor:** Jun-Ho KOH

Jun-ho Koh  
Signature of inventor

Dated: September 9, 2004

WITNESSED: Hee-Won CHEUNG

**Name of Fourth Inventor:** Jae-Hun CHO

Jae-hun Cho  
Signature of inventor

Dated: September 9, 2004

WITNESSED: Hee-Won CHEUNG