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Attorney Docket No. 5000-1-530

To the Assistant Commissioner for Patents

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Jae-Yeon SONG; Jin-Hee KIM; Se-Youn LIM;  
Jong-Hwa LEE; Yoon-Sun LEE; Seo-Won KWON;  
Jong-Ho YOON

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

3. Nature of conveyance:

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

Execution Date: May 22, 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

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

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A. Patent Application No.(s) 10/764,116

B. Patent No.(s) \_\_\_\_\_

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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 **ON JANUARY 23, 2004, THE FEE WAS PAID WITHOUT FILING THE ASSIGNMENT. SEE ATTACHED COPY OF FEE TRANSMITTAL, CHECK AND STAMPED RETURNED POSTCARD.**

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(BDSM 8)  
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PATENT  
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## 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-Yeon SONG of  
#514-902, Yangjimaoul Hanyang APT., Sunae-dong, Bundang-gu, Seongnam-si,  
Gyeonggi-do, Republic of Korea
- 2) Jin-Hee KIM of  
#544-707, Ssangyong APT., 963-2, Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do,  
Republic of Korea
- 3) Se-Youn LIM of  
#302, Shinwonvillage, 1054-33, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea
- 4) Jong-Hwa LEE of  
#942-1404, Lotte APT., Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do,  
Republic of Korea
- 5) Yoon-Sun LEE of  
824-1, Sindang 2-dong, Jung-gu, Seoul, Republic of Korea
- 6) Seo-Won KWON of  
#301, 1015-4, Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea
- 7) Jong-Ho YOON of  
Hankuk Aviation University, 200-1, Hwajeon-dong, Deogyang-gu, Goyang-si, Gyeonggi-do,  
Republic of Korea

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

**SAMSUNG ELECTRONIC 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:

### ***METHOD AND APPARATUS FOR TRANSMITTING DATA IN GIGABIT ETHERNET PASSIVE OPTICAL NETWORK***

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.

herein.

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

**Name of First Inventor: Jae-Yeon SONG**

Jae-Yeon SONG  
Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Second Inventor: Jin-Hee KIM**

Jin-Hee Kim  
Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Third Inventor: Se-Youn LIM**

Se-Youn LIM  
Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Fourth Inventor: Jong-Hwa LEE**

Jong-Hwa LEE  
Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Fifth Inventor: Yoon-Sun LEE**

Yoon-Sun Lee  
Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Sixth Inventor:** Seo-Won KWON

Seo-Won KWON

Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu

**Name of Seventh Inventor:** Jong-Ho YOON

Jong-Ho Yoon

Signature of inventor

Dated: May 22, 2004

WITNESSED: Hyeoncheol Pu.

Security enhanced document. See back for details.

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HACKENSACK, NJ 07801

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DATE December 17, 2002

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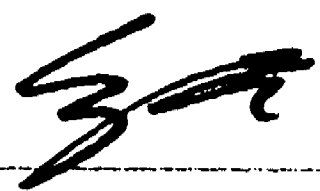
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