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Attorney Docket No. 5000-1-585

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

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

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: March 31, 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

17497 U.S. PTO
10/818209



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

10818209

If this document is being filed together with a new application, the execution date of the application is: March 31, 2004

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

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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]
Signature

4/5/04
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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

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, Yangjimaetul Hanyang APT., Sunae-dong, Bundang-gu, Seongnam-si,
Gyeonggi-do, Republic of Korea
- 2) Se-Youn LIM of
#302, Shinwonvillage, 1054-33, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea
- 3) Jin-Hee KIM of
#544-707, Ssangyong APT., 963-2, Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do,
Republic of Korea
- 4) Seo-Won KWON of
#301, 1015-4, 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) Jong-Hwa LEE of
#942-1404, Lotte APT., Yeongtong-dong, Paldal-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:

GEM OAM FRAME TRANSMISSION METHOD IN GIGABIT-CAPABLE 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.

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: March 31, 2004

WITNESSED: Jong-Hee KIM

Name of Second Inventor: Se-Youn LIM

Se Youn LIM

Signature of inventor

Dated: March 31, 2004

WITNESSED: Jong-Hee KIM

Name of Third Inventor: Jin-Hee KIM

Jin-Hee Kim

Signature of inventor

Dated: March 31, 2004

WITNESSED: Jong-Hee KIM

Name of Fourth Inventor: Seo-Won KWON

Seo-Won KWON

Signature of inventor

Dated: March 31, 2004

WITNESSED: Jong-Hee KIM

Name of Fifth Inventor: Yoon-Sun LEE

Yoon-Sun Lee

Signature of inventor

Dated: March 31, 2004

WITNESSED: Jong-Hee KIM

Name of Sixth Inventor: Jong-Hwa LEE

Jong-Hwa LEE
Signature of inventor

Dated: March 31, 2004

WITNESSED: Jong-Hee KEM