

07-28-2003

FORM PTO-1595  
(Rev. 6/93)



102508845

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

SHEET

Attorney Docket No. 5000-1-350

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Jun-Ho KOH; Kyong-Joon CHUN;  
Byung-Chang KANG; Yun-Je OH

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

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

Execution Date: July 7, 2003

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

Name: SAMSUNG ELECTRONICS CO.; LTD.

Address: 416. MAETAN-DONG. PALDAL-GU

SUWON-CITY, KYUNGKI-DO

KOREA, REPUBLIC OF KOREA

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

03907 U.S. PTO  
10/621588  
07/17/03

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

10621588

If this document is being filed together with a new application, the execution date of the application is: July 7, 2003

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  
411 Hackensack Avenue, 9th Floor  
Hackensack, New Jersey 07601

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)

DO NOT USE THIS SPACE

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

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

07/21/2003 STEUMELI 00000050 10621588

01 FD:8021

40.00 JP

(BDSM 8)  
(9/94)

PATENT  
REEL: 014306 FRAME: 0161

## 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) Jun-Ho KOH of  
#231-601, Hwanggolmaeulpungrim APT., Youngtong-dong, Paldal-gu, Suwon-shi,  
Kyonggi-do, Republic of Korea
- 2) Kyong-Joon CHUN of  
#227-701, Olympic Gijachon APT., Bangi-dong, Songpa-gu, Seoul, Republic of Korea
- 3) Byung-Chang KANG of  
1168, Pungdukchon-ri, Suji-eup, Yongin-shi, Kyonggi-do, Republic of Korea
- 4) Yun-Je OH of  
#102-202, Dongilhivil, Unnam-ri, Kusong-myon, Yongin-shi, Kyonggi-do,  
Republic of Korea

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

**SAMSUNG ELECTRONIC CO., LTD.** of  
**416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA**  
**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:

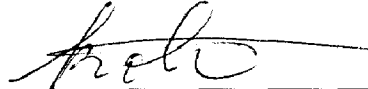
### **BROADCAST/COMMUNICATION UNIFIED PASSIVE OPTICAL NETWORK SYSTEM**

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, 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):**

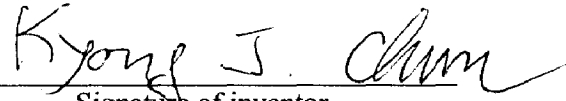
**Name of First Inventor:** Jun-Ho KOH

  
\_\_\_\_\_  
Signature of inventor

Dated: July 7, 2003

WITNESSED:   
\_\_\_\_\_

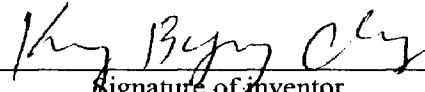
**Name of Second Inventor:** Kyong-Joon CHUN

  
\_\_\_\_\_  
Signature of inventor


Dated: July 7, 2003

WITNESSED:   
\_\_\_\_\_

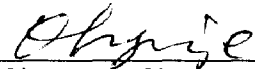
**Name of First Inventor:** Byung-Chang KANG

  
\_\_\_\_\_  
Signature of inventor

Dated: July 7, 2003

WITNESSED:   
\_\_\_\_\_

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

  
\_\_\_\_\_  
Signature of inventor

Dated: July 7, 2003

WITNESSED:   
\_\_\_\_\_