

05-09-2003

FORM PTO-1595
(Rev. 6/93)U.S. DEPARTMENT OF COMMERCE
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Attorney Docket No. 5000-1-377

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Jong-Kwon KIM; Seong-Taek HWANG; 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: April 23, 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

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: April 23, 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

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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

Date

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

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

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PATENT
REEL: 014038 FRAME: 0166(BDSM 8)
(9/94)

J1046 U.S. PTO

10/427284



05/01/03

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) Jong-Kwon KIM of
146-12, Kayang 2-dong, Tong-gu, Taejonkwangyok-shi, Republic of Korea
- 2) Seong-Taek HWANG of
#102-303, Daerim APT., Dokgok-dong, Pyongtaek-shi, Kyonggi-do, Republic of Korea
- 3) Yun-Je OH
#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

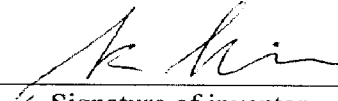
(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

PASSIVE OPTICAL NETWORK USING LOOP BACK OF MULTI-WAVELENGTH LIGHT GENERATED AT CENTRAL OFFICE

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: Jong-Kwon KIM

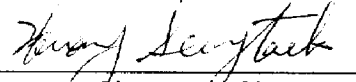


Signature of inventor

Dated: Apr. 23, 2003

WITNESSED: Jong-Hee KIM

Name of Second Inventor: Seong-Taek HWANG

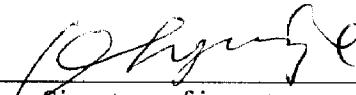


Signature of inventor

Dated: Apr. 23, 2003

WITNESSED: Jong-Hee KIM

Name of Third Inventor: Yun-Je OH



Signature of inventor

Dated: Apr. 23, 2003

WITNESSED: Jong-Hee KIM