

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P06A/REV03

REGISTRATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DEC 28 2004

01-04-2005



102903012

Tab settings → → →

To the Director of the United States Patent a

ached original documents or copy thereof.

1. Name of conveying party(ies):

Joo-youp KIM
Sang-Kook HAN

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

Name: SAMSUNG ELECTRONICS CO., LTD.
Address: 416, Mactan-dong, Yeongtong-gu, Suwon-si

Additional names(s) of conveying party(ies) Yes No

City: Gyeonggi-do State/Prov.: _____

Country: Republic of Korea ZIP: _____

Execution Date: December 1, 2004

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

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

If this document is being filed together with a new application, the execution date of the application is: December 1, 2004

Patent Application No.	Filing date	B. Patent No.(s)
10/933,481	September 3, 2004	

01/03/2005 6TON11 00000062 500238 10933481

01 FC:8021 40.00 DA Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: LINUS Y. PARK
Registration No. 45,261
Address: VOLENTINE FRANCOS & WHITT, P.L.L.C.
ONE FREEDOM SQUARE
11951 FREEDOM DRIVE, SUITE 1260
City: RESTON State/Prov.: VA
Country: U.S.A. ZIP: 20190

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:
50-0238

(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.

LINUS Y. PARK
Name of Person Signing

Signature

DECEMBER 28, 2004

3 Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

VOLENTINE FRANCOS & WHITT, L.L.C. (9/2004)

ATTORNEY DOCKET NO. SEC.1234

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert
Name(s) of
Inventor(s)

- | | |
|-------------------------|----------|
| 1. <u>Joo-young KIM</u> | 5. _____ |
| 2. <u>Sang-kook HAN</u> | 6. _____ |
| 3. _____ | 7. _____ |
| 4. _____ | 8. _____ |

Insert
Name(s) of
Assignee(s) &

the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

Address(es)

of 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do, Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

PHASE OPTIMIZATION APPARATUS AND METHOD FOR OBTAINING MAXIMUM EXTINCTION RATIO IN MACH-ZEHNDER INTERFEROMETER WAVELENGTH CONVERTER USING CROSS PHASE MODULATION OF SEMICONDUCTOR OPTICAL AMPLIFIER

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by the undersigned on _____

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

VOLENTINE FRANCO & WHITT, L.L.C. (9/2004)

ATTORNEY DOCKET NO. SEC. 1234

The undersigned hereby grant(s) the practitioners associated with the CUSTOMER NUMBER 20987 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 1 Dec. 2004 Signature of Inventor Joo-Youp KIM
Joo-youp KIM

Date 1 Dec. 2004 Signature of Inventor Sang-Kook Han
Sang-kook HAN

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

(Note regarding Witnessing: It is recommended that the execution by the inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been witnessed.)

Witness _____

Witness _____

Applicant Reference No. SS-20474-US