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FORM PTO-1595
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PATENTS ONLY

Attorney Docket No. 5000-1-657

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Jeong-Seok LEE; Yun-Je OH; Seong-Taek HWANG;
Dong-Han LEE; Jeong-Mee 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: August 13, 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

22141 U.S. PTO
10/922677



081904

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: August 13, 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

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210 Route 4 East, Suite #103
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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)

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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.

David Rosenblum, Reg No. 37,709
Name of Person Signing

David J. Conplun
Signature

08/19/04
Date

Total number of pages including cover sheet, attachments, and document: 4

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

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) Jeong-Seok LEE of
#106-805, Eunhasu Cheonggu APT., 1104, Bisan-dong, Dongan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea
- 2) Yun-Je OH of
#107-1801, Samsungraemian 1-cha APT., Mabuk-ri, Guseong-eup, Yongin-si, Gyeonggi-do,
Republic of Korea
- 3) Seong-Taek HWANG of
#102-303, Daerim APT., Dokgok-dong, Pyeongtaek-si, Gyeonggi-do, Republic of Korea
- 4) Dong-Han LEE of
Dept. of Physics Chungnam National University, Gung-dong, Yuseong-gu, Daejeon,
Republic of Korea
- 5) Jeong-Mee OH of
Dept. of Physics Chungnam National University, Gung-dong, Yuseong-gu, Daejeon,
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:

GAIN-CLAMPED SEMICONDUCTOR OPTICAL AMPLIFIER

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: Jeong-Seok LEE

Jeong-Seok Lee
Signature of inventor

Dated: August 13, 2004

WITNESSED: Hee-Won CHEUNG

Name of Second Inventor: Yun-Je OH

Yun Je Oh
Signature of inventor

Dated: August 13, 2004

WITNESSED: Hee-Won CHEUNG

Name of Third Inventor: Seong-Taek HWANG

Seongtaek Hwang
Signature of inventor

Dated: August 13, 2004

WITNESSED: Hee-Won CHEUNG

Name of Third Inventor: Dong-Han LEE

Dong han lee

Signature of inventor

Dated: August 13, 2004

WITNESSED: Hee-Won CHUNG

Name of Third Inventor: Jeong-Mee OH

Jeong Mee OH

Signature of inventor

Dated: August 13, 2004

WITNESSED: Hee-Won CHUNG