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Attorney Docket No. 5000-1-589

102762842

To the Assistant Commissioner for Patents

b-2-04

19270 U.S. PTO
10/858919



060204

1. Name of conveying party(ies):
Sung-Kee KIM; Han-Lim LEE; Seong-Taek HWANG

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: May 6, 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

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: May 6, 2004

A. Patent Application No.(s)

B. Patent No.(s)
10/858919

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
 Authorized to be charged to deposit account, if necessary - for overages or underpayments only

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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

6/2/04
Date

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

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40.00 DP

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) Sung-Kee KIM of
Samcheonri 2-cha APT., 1238, Gwonseon-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do,
Republic of Korea
- 2) Han-Lim LEE of
#202, 602-170, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea
- 3) Seong-Taek HWANG of
#102-303, Daerim APT., Dokgok-dong, Pyeongtaek-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:

DUO-BINARY ENCODER AND OPTICAL DUO-BINARY TRANSMISSION APPARATUS

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: Sung-Kee KIM

Sung Kee Kim

Signature of inventor

Dated: May 6, 2004

WITNESSED: Jong-Hee KIM

Name of Second Inventor: Han-Lim LEE

Han Lim Lee

Signature of inventor

Dated: May 6, 2004

WITNESSED: Jong-Hee KIM

Name of Third Inventor: Seong-Taek HWANG

Seongtaek Hwang

Signature of inventor

Dated: May 6, 2004

WITNESSED: Jong-Hee KIM