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102568438
PATENTS ONLY

Attorney Docket No. 5000-1-422

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Seung-Kee YANG; Byung-Ok JEON;
Hwa-Young KANG; Do-Young RHEE

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 30, 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

22154 U.S. PTO
10/671195



09/25/03

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

10671195

If this document is being filed together with a new application, the execution date of the application is: July 30, 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
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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

9/25/03
Date

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(BDSM 8)
(9/94)

PATENT
REEL: 014548 FRAME: 0827

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) Seung-Kee YANG of
#730-1401, Salgugol 7-danji Hyundai APT., Youngtong-dong, Paldal-gu, Suwon-shi,
Kyonggi-do, Republic of Korea
- 2) Byung-Ok JEON of
1005-12, Youngtong-dong, Paldal-gu, Suwon-shi, Kyonggi-do, Republic of Korea
- 3) Hwa-Young KANG
990-18, Youngtong-dong, Paldal-gu, Suwon-shi, Kyonggi-do, Republic of Korea
- 4) Do-Young RHEE
#501-2101, Woosung APT., Socho 2-dong, Socho-gu, Seoul, 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:

OPTICAL APPARATUS USING VERTICAL LIGHT RECEIVING ELEMENT

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: Seung-Kee YANG

Seung-kee Yang
Signature of inventor

Dated: July 30, 2003

WITNESSED: Jong-Hee KZM

Name of Second Inventor: Byung-Ok JEON

Byung-ok Jeon
Signature of inventor

Dated: July 30, 2003

WITNESSED: Jong-Hee KZM

Name of Third Inventor: Hwa-Young KANG

Hwa-Young KANG
Signature of inventor

Dated: July 30, 2003

WITNESSED: Jong-Hee KZM

Name of Fourth Inventor: Do-Young RHEE

Do-Young RHEE
Signature of inventor

Dated: July 30, 2003

WITNESSED: Jong-Hee KZM