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F91 PTO-1595

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

S&amp;H 9/92



To the Honorable Commissioner of Patents and Trademark

101607374

or copy thereof.

1. Name of conveying party(ies):

Byung-in MA, Byoung-ho CHOI and Tae-youn LEE

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

Samsung Electronics Co., Ltd.  
416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do  
Republic of Korea

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other: _____	

Execution Date(s): January 17, 2001

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

This document is being filed together with a new application:

(a) The execution date(s) of the application is/are: \*(b) The title is: \*

\*\*\* OR \*\*\*

This document is being filed after filing of the application:

(a) Patent Application No(s). 09/691,059, filed October 19, 2000; or

(b) Patent No(s). \_\_\_\_\_, issued \_\_\_\_\_.

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

STAAS &amp; HALSEY LLP

Our Docket: 1293.1151/MDS

Attention: Michael D. Stein

700 Eleventh Street, N.W., Ste. 500

Washington, D.C. 20001

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.8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
(Attach duplicate copy of this page if paying by deposit account)

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.*Michael D. Stein, Reg. No. 37,240  
Name of Person Signing  
Signature1/31/01  
DateTotal number of pages including cover sheet, attachments and document: 2

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PATENT  
REEL: 011484 FRAME: 0764

# U.S. ASSIGNMENT

5d111/94

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

**Samsung Electronics Co., Ltd.**  
**416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do**  
**Republic of Korea**

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

METHOD FOR GENERATING A SIGNAL FOR DETECTING THE DIRECTION OF MOVEMENT OF  
A LASER SPOT, AND APPARATUS THEREFOR

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_;

(Insert date of execution of application, if not concurrent)

(b) filed on 19 October 2000;

Serial No. 09/691,059;

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>BYUNG-IN MA</u>	<u>17 Jan. 2001</u>	_____
Byung-in Ma		
2) <u>BYOUNGHO CHOI</u>	<u>17 Jan. 2001</u>	_____
Byoung-ho Choi		
3) <u>TAE YOUN LEE</u>	<u>17 Jan. 2001</u>	_____
Tae-youn Lee		
4) _____	_____	_____
5) _____	_____	_____

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RECORDED: 01/31/2001

PATENT  
REEL: 011484 FRAME: 0765