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Yong-jae LEE; Sung-ro GO; Pyong-yong SEONG; Chang-jin YANG; Gi-bong SONG; Byung-in MA and Jong-koog LEE

Name and Address of receiving party(ies):

7.3.02

SAMSUNG ELECTRONICS CO., LTD. 416 Maetan-dong, Paldal-gu

|    | Suwon City, Kyungki-do Republic of Korea   |  |  |  |
|----|--|--|--|--|
| 3. | Nature of conveyance:  X   |  |  |  |
| 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). 09/704,549, filed November 3, 2000; or  (b) Patent No(s)., issued |  |  |  |
| 5. | Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1293.1152  Attention: Michael D. Stein 700 Eleventh Street, N.W., Suite 500  Washington, D.C. 20001  |  |  |  |
| 6. | Total number of applications and patents involved:1  |  |  |  |
| 7. | Total fee (37 CFR 3.41)(\$ 40.00 per Assignment)  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.   |  |  |  |
|    | el D. Stein, Reg. No. 37,240 of Person Signing Signature  T/3/02 Date  |  |  |  |

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**PATENT** 

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## U.S. ASSIGNMENT

| (Insert Name(s) & Address(es) of ASSIGNEE   |  |   |
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| SAMSUNG ELECTRONICS CO.,  |  |   |
| 416 Maetan-dong, Paldal-  | gu, Suwon-city, K  | yungki-do,  |
| Republic of Korea   |  |   |
|   |  |   |
| (hereinafter, "ASSIGNEE"), the receipt of whi and transfers to ASSIGNEE the entire and exc  | ch is hereby acknowledged,<br>lusive right, title and interes  | the undersigned ASSIGNOR hereby sells, assig<br>t to the invention entitled   |
|   | TURNAL LIGHT COMP.   |   |
| OPTICAL PICKUP APPARATUS AND OF   | THAT LIGHT SPOT FOCUS  | SINC METHOD   |
| (a) executed on  (b) filed on   | , if not so executed, was:;  Insert date of ex   | r which application for Letters Patent of the Unite ecution of application, if not concurrent/  |
| Serial No. <u>10 /120,786</u> ;   | Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.  |   |
| newal, substitute, reissue or reexamination ap  | oplication based thereon, for  | on said application and any continuation, division<br>the full term or terms for which the said Letters<br>ly, hereinafter, "said application(s) and Letters  |
| o do all acts which the ASSIGNEE may deem<br>rotection for said invention, including in the prep<br>atent(s), in any interference, reissue, reexamina<br>hich may arise or be declared in relation to sar | necessary, desirable or exp<br>seration and prosecution of se<br>ation, or public use proceedir<br>ne, such acts to include but<br>all rightful oaths, providing | charge to but at the expense of said ASSIGNEE, edient, for securing, maintaining and enforcing aid application(s) and the issuance of said Letters up, and in any litigation or other legal proceeding not be limited to executing all papers, including sworn testimony, and obtaining and producing |
| (Typed Name & Signature of Inventor(s))   | (Date)   | (Typed Name & Signature of Witness(es))   |
|   |  |   |
| Yong-jae Lee  | 15 April 2002  |   |
| To Suns R.  | 15 April 2002  |   |
| PYONG YONG SEONG  | 15 April 2002  |   |
| Pyong-yong Seong<br>YANG CHANG JIN  | 15 April 2002  |   |
| Chang-jin Yang  | 15 April 2002  |   |

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## U.S. ASSIGNMENT

---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) OPTICAL PICKUP APPARATUS AND OPTIMAL LIGHT SPOT FOCUSING METHOD and/or for which application for Letters Patent of the United relating to International Patent Application PCT/JP\_\_\_/ 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) Any registered attorney of STAAS & HALSEY, 700 Eleventh (b) filed on 12 April 2002 Street, N.W., Washington, D.C. 20001 (202/434-1500) is Serial No. 10 / 120,786 : 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 Witness(es)) (Date) (Typed Name & Signature of Inventor(sl) \_\_\_\_15 April 2002 15 April 2002 \_\_\_\_ Jana-koog Lee

> PATENT REEL: 013055 FRAME: 0301

**RECORDED: 07/02/2002**