FORM PTO-1595

RECOF



U.S. DEPARTMENT OF COMMERCE

1024037

2001 Staas & Halsey LLP To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): Young-sun PARK Bong-gi HIM Soo-han PARK 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: Assignment _X_ Merger Security Agreement Change of Name Other: Execution Date(s): March 14, 2003 4. Application number(s) or patent number(s): This document is being filed together with a new application: The execution date(s) of the application is/are: March 14, 2003 (a) The title is:OPTICAL PICKUP APPARATUS (b) OR This document is being filed after filing of the application: Patent Application No(s). __/____, filed _____; or (a) (b) Patent No(s). , issued 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1293.1684 Attention: Michael D. Stein 700 Eleventh Street, N.W., Suite 500 Washington, D.C. 20001 6. Total number of applications and patents involved: __1 Total fee (37 CFR 3.41).....(\$ 40.00 per Assignment) 7. **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 March 18, 2003 Name of Person Signing Date

Total number of pages including cover sheet: 2

PATENT

REEL: 013883 FRAME: 0460

U.S. ASSIGNMENT

54.H I/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (horeinafter, "ASSIGNOR") by (Invert Name(s) & Address(cs) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD 416 Maetan-dong, Paldal-gu, Suwon-city Kyungki-do, Republic of Korea

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

OPITCAL PICKLIP APPARATUS relating to International Patent Application PCT/JP and/or for which application for Lotters Patent of the United States was executed on even date herewith or, if not so executed, was: (a) executed on 14 March 2003 (insort data of execution of application, if not concurrent) Any registered attorney of STAAS & HALSEY ILS, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202434-1500) 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, release or recommination 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, hereinsfier, "said application(s) and Leggrs Parengs)"). The ASSIGNOR agree(s), when requested by said ASSIGNER and without charge to but at the expense of said ASSIGNER, to do all acts which the ASSIGNED may deem necessary, desimble 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 syldence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s), (Typed Name & Signature of Inventor(s)) (Typed Name & Signature of Winess(es))

PATENT REEL: 013883 FRAME: 0461

RECORDED: 03/18/2003