09-16-2002 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE REC 102222523 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): Jong-Kyu Kim 9.9.02 Cheon-Seong 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: Assignment Merger Security Agreement Change of Name Other: Execution Date(s): September 9, 2002 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: September 9, 2002 (a) The title is: LASER DIODE DRIVE CONTROL APPARATUS AND METHOD IN OPTICAL (b) STORAGE MEDIUM RECORDING/REPRODUCING SYSTEM OR This document is being filed after filing of the application: Patent Application No(s). __/___, filed _____ (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: 1293,1435 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)

Michael D. Stein, Reg. No. 37,240 Name of Person Signing

Statement and signature.

copy is a true copy of the original document.

Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached

(Attach duplicate copy of this page if paying by deposit account)

September 9, 2002

Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

9.

U.S. ASSIGNMENT

	711	
SAMBUNG ELECTRONICS CO., I		general de la companya del companya del companya de la companya de
416 Maetan-dong, Paldal-d	gu, Suwon−city, Kyur	ngki-do,
Republic of Korea	• • • • • • • • • • • • • • • • • • • •	
Harries of Montal		
sveinalter, "ASSIGNEE"], the receipt of whic d transfers to ASSIGNFF the entire and excl	n is nereby acknowledged, the usive right, title and interest to	undersigned ASSIGNOR hereby sells, assigned the invention entitled
tle of Invention)		
LASER DIODE DRIVE CONTROL	APPARATUS AND METHO	DD IN OPTICAL STORAGE MEDIU
RECORDING/REPRODUCING SYS	TEM	
sting to International Patent Application PCT/J	IPand/or for w	hich application for Letters Patent of the Uni
ites was executed on even date herewith or,	, I not so executed, was:	
0. 0 1 1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
executed on 9 September 2002	; (hisort date of execu	rtion of application, if not concurrent)
A diladaa	Any registered attor	ney of STAAS & HALSEY, 700 Eleventh
)) filed on		
Serial No. /	Street, N.W., Washi	ngton, D.C. 20001 202/434-1500) is
Serial No;	Street, N.W., Washi haraby outhorized to	
Serial No;	Street, N.W., Washi hereby authorized to known.	ngton, D.C. 20001 202/434-1500) is insert in lb) the specified data, when
	Street, N.W., Washingraphy outhorized to known. The United States granted on a polication based thereon, for the	ingron, D.C. 20001 (202/434-1500) is insert in Its the specified data, when said application and any continuation, division full term or terms for which the said Letter
Serial No/	Street, N.W., Washingraphy authorized to known. I the United States granted on a plication based thereon, for the densions thereof (collectively.	ingron, D.C. 20001 (202/434-1500) is insert in Its the specified data, when said application and any continuation, division full term or terms for which the said Lette hereinsfter, "said application(s) and Lette
Sorial No	Street, N.W., Washingraphy outhorized to known. The United States granted on a plication based thereon, for the tensions thereof (collectively, eaid ASSIGNEE and without on mecassary, desirable or expedition, and prosecution of said tium, or public use proceeding, ne, such acts to include but no	ingron, D.C. 20001 1202/434-1500) is a insert in Its the specified data, when all application and any continuation, divising full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing to but at the expense of said ASSIGN(sent, for securing, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter in any litigation or other legal propadity to be limited to executing all papers, includity
Serial No. / to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination appent(s) may be granted and including any exert(s)"). The ASSIGNOR agrox(s), when requested by to all acts which the ASSIGNEE may doem extion for said invention, including in the prepent(s), in any interference, reissue, restamine in may arise or be declared in relation to sanstate assignments and declarations, toking a	Street, N.W., Washingraby outhorized to known. I the United States granted on a plication based thereon, for the consions thereof (collectively. Eaid ASSIGNEE and without characters, destrable or expediturely, or public use proceeding, ne. such acts to include but no all rightful eaths, providing sw	ingron, D.C. 20001 1202/434-1500) is a insert in Its the specified data, when said application and any continuation, division full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, as a said application of any letter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, including the hereinsfter, and obtaining and production testimony, and obtaining and productions.
Serial No/	Street, N.W., Washingraby outhorized to known. I the United States granted on a plication based thereon, for the consions thereof (collectively. Eaid ASSIGNEE and without characters, destrable or expediturely, or public use proceeding, ne. such acts to include but no all rightful eaths, providing sw	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, divising full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing for securing, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter in the executing all papers, including the limited to executing all papers, including the testimony, and obtaining and productions testimony, and obtaining and productions.
Serial No	Street, N.W., Washingrapy outhorized to known. [The United States granted on a plication based thereon, for the tensions thereof (collectively, said ASGIGNEE and without charactersary, desirable or expedition, or public use proceeding, ne. such acts to include but no all rightful eaths, providing swanter(s) has [have] affixed his/lenter(s) has [have] affixed his/lenter(s) has [have] affixed his/lenter(s) has [have] affixed his/lenter(s) has [have] affixed his/lenter(s).	ingron, D.C. 20001 1202/434-1500) is a insert in Its the specified data, when said application and any continuation, division full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, as a said application of any letter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, and the issuance of said Letter hereinsfter hereinsfter, including the hereinsfter, and obtaining and production testimony, and obtaining and productions.
Serial No. / to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination againt(s) may be granted and including any each(s)"). The ASSIGNOR agros(s), when requested by to all acts which the ASSIGNEE may doesn ection for said invention, including in the properties, in any interference, reissue, reexamined in may arise or be declared in relation to sandrate assignments and declarations, taking dence. N WITNESS WHEREOF, the undersigned inventions.	Street, N.W., Washingraby outhorized to known. I the United States granted on a plication based thereon, for the densions thereof (collectively, said ASSIGNCE and without characters and prosecution of said aration and prosecution of said stion, or public use proceeding, ne, such acts to include but no all rightful eaths, providing swantor(s) has [have] affixed his/	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, division full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter and the issuance of said Letter hereinsfter is and the issuance of said Letter hereinsfter is and obtaining and production testimony, and obtaining and productions the important in the important is and productions the important in the important is and productions the important in the important
to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination appent(s) may be granted and including any exent(s)"). The ASSIGNOR agree(s), when requested by to all acts which the ASSIGNEE may deem extion for said invention, including in the propent(s), in any interference, reissue, reexamination may arise or be declared in relation to said energy and declared in relation to said energy and the said may arise or be declared in relation to said energy. N WITNESS WHEREOF, the undersigned invention of Invantarial Jong-Kyu Kim	Street, N.W., Washingraby authorized to known. (The United States granted on a splication based thereon, for the densions thereof (collectively.) said ASSIGNCE and without characteristic and presecution of said strain, or public use proceeding, ne. such acts to include but no all rightful eaths, providing swantor(s) has [have] affixed his/foote) 9 September 2002	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, division full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter and the issuance of said Letter hereinsfter is and the issuance of said Letter hereinsfter is and obtaining and production testimony, and obtaining and productions the important in the important is and productions the important in the important is and productions the important in the important
Serial No/ to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination appent(s) may be granted and including any exent(s)"). The ASSIGNOR agree(s), when requested by to all acts which the ASSIGNEE may doesn extlen for said invention, including in the prepent(s), in any interference, reissue, reexamined in may arise or be declared in relation to said enter a settlements and declarations, taking enter. N WITNESS WHEREOF, the undersigned invention of Inventorial invention of Inventorial inven	Street, N.W., Washingraby outhorized to known. I the United States granted on a plication based thereon, for the densions thereof (collectively, said ASSIGNCE and without characters and prosecution of said aration and prosecution of said stion, or public use proceeding, ne, such acts to include but no all rightful eaths, providing swantor(s) has [have] affixed his/	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, divising full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing for securing, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter is and the issuance of said Letter hereinsfter is and the issuance of said Letter hereinsfter is and obtaining and production testimony, and obtaining and productions the important of the important is and obtaining and productions the important is an application of the important in the important is an application of the important in the
to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination appent(s) may be granted and including any exent(s)"). The ASSIGNOR agree(s), when requested by to all acts which the ASSIGNEE may deem extion for said invention, including in the propent(s), in any interference, reissue, reexamination may arise or be declared in relation to said energy and declared in relation to said energy and the said may arise or be declared in relation to said energy. N WITNESS WHEREOF, the undersigned invention of Invantarial Jong-Kyu Kim	Street, N.W., Washingraby authorized to known. (The United States granted on a splication based thereon, for the densions thereof (collectively.) said ASSIGNCE and without characteristic and presecution of said strain, or public use proceeding, ne. such acts to include but no all rightful eaths, providing swantor(s) has [have] affixed his/foote) 9 September 2002	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, divising full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing for securing, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter in the executing all papers, including the limited to executing all papers, including the testimony, and obtaining and productions testimony, and obtaining and productions.
Serial No/ to baid application and all Letters Patent(s) of ewal, substitute, reissue or roexamination appent(s) may be granted and including any exent(s)"). The ASSIGNOR agree(s), when requested by to all acts which the ASSIGNEE may doesn extlen for said invention, including in the prepent(s), in any interference, reissue, reexamined in may arise or be declared in relation to said enter a settlements and declarations, taking enter. N WITNESS WHEREOF, the undersigned invention of Inventorial invention of Inventorial inven	Street, N.W., Washingraby authorized to known. (The United States granted on a splication based thereon, for the densions thereof (collectively.) said ASSIGNCE and without characteristic and presecution of said strain, or public use proceeding, ne. such acts to include but no all rightful eaths, providing swantor(s) has [have] affixed his/foote) 9 September 2002	ingron, D.C. 20001 (202/434-1500) is a insert in (h) the specified data, when all application and any continuation, divising full term or terms for which the said Letter hereinsfter, "said application(s) and Letter hereinsfter, "said application(s) and Letter hereinsfter, maintaining and enforcing for securing, maintaining and enforcing application(s) and the issuance of said Letter hereinsfter in the executing all papers, including the limited to executing all papers, including the testimony, and obtaining and productions testimony, and obtaining and productions.

RECORDED: 09/09/2002

PATENT REEL: 013278 FRAME: 0133