U.S. PTO 12/805876 08/23/2010 09 - 02 - 2010

U.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 03-09) 09-02-2010 OMB No. 0851-0027 (exp. 03/31/2009) United States Patent and Trademark Office RE 103606118 To the Director of the U.S. Patent and Ti iments or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Yuji Masui (08/11/2010), Rintaro Koda Sony Corporation (08/09/2010), Tomoyuki Oki (08/05/2010), Takahiro Arakida (08/18/2010), Internal Address: Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 1-7-1 Konan Minato-Ku, Tokyo Execution Date(s): in parentheses after inventor name 108-0075 **JAPAN** x Assignment Merger Change of Name Joint Research Agreement Security Agreement City:_ Government Interest Assignment State: Executive Order 9424, Confirmatory License Country: Zip: Additional name(s) & address(es) Yes x No attached? x This document is being filed together with a new application. 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) This application Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and 1 concerning document should be mailed: patents involved: Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC 40.00 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Internal Address: Atty. Dkt.: SON-4540 Street Address: 1233 20th Street, N.W. Authorized to be charged to deposit account Suite 501 None required (government interest not affecting title) Washington 8. Payment Information City: 20036 DC Zip: State: (202) 955-3750 Phone Number: 18-0013 (202) 955-3751 Deposit Account Number Fax Number: cmt@raderfishman.com Authorized User Name Christopher M. Tobin Email Address: 9. Signature: 09/02/2010 THASHING 0000002314001130 12805876

Christopher M. Tobin - 40,290

Name of Person Signing

PATENT

REEL: 024942 FRAME: 0503

46.06 Opto

4

Total number of pages including cover

sheet, attachments, and documents:

01 FC:8021

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)				
Additional Convey	ying Party(ies)/Exec	ution Date(s) (1. Continued):		
Naoki Jogan (08/18/2	2010), and Yoshinori Yar	mauchi (08/10/2010)		
Additional Assign	ees (2. Continued):			
Assignee Name:				
Street Address:				
City:	State:	Country:	Zip:	
Assignee Name:				
Street Address:			·	
City:	State:	Country:	Zip:	
Assignee Name:				
Internal Address: Street Address:				
City:	State:	Country:	Zip:	
Additional Applica	ations and/or Patents	s (4. Continued):		
Additional Patent Application Numbers 4A. Continued:		Additional Patent Numbers 4B. Continued:		
ı				
	Additional numbers	attached? Yes No		

Docket No.: SON-4540

Attorney Docket No. SON-4540 SONY Ref. No.: S10P1626US00

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in LASER DIODE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 1-7-1 Konan, Minato-ku, Tokyo, Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto:

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

	this application to insert the serial number and filing date of this application in Filing Date:
This assignment executed on the dates indicated below.	
YUJI MASUI	
Name of first or sole inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	• •
Residence of First or sole inventor	1
-curi Maeni	Leanst 11, 2010
Signature of first or sole inventor	Date of this assignment
RINTARO KODA	
Name of second inventor	Execution date of U.S. Patent Application
TOKYO JAPAN	
Residence of second inventor	$\Lambda + Q$.
Contar Dola	Muguel 7,20/3
Signature of second inventor	Date of this assignment
TOMOYUKI OKI	
Name of third inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of third inventor	august 5,20/0
Formyreka Ohi	
	Date of this assignment

l

Signature of third inventor

PATENT REEL: 024942 FRAME: 0505

Attorney Docket No. SON-4540 SONY Ref. No.: S10P1626US00

ADDITIONAL INVENTOR(S)

TAKAHIRO AKAKIDA		
Name of fourth inventor	Execution date of U.S. Patent Application	
KANAGAWA JAPAN		
Residence of fourth inventor	A .	
Takshino arakida.	Date of this assignment	
Signature of fourth inventor	Date of this assignment	
NAOKI JOGAN		
Name of fifth inventor		
KANAGAWA JAPAN	Execution date of U.S. Patent Application	
Residence of fifth inventor		
norte Oran	Mayor 18 2010	
Nuofir Joyan Signature of fifth inventor	Date of this assignment	
	Date of this assignment	
YOSHINORI YAMAUCHI		
Name of sixth inventor	Execution date of U.S. Patent Application	
TOKYO JAPAN		
Residence of sixth inventor		
Signature of sixth inventor	Date of this assignment	
Signature of sixth inventor	Date of this assignment	
Name of seventh inventor	T	
Mame of Seventh inventor	Execution date of U.S. Patent Application	
Residence of seventh inventor		
Transaction of day data may anto:		
Signature of seventh inventor	Date of this assignment	
•		
•		
Name of eighth inventor	Execution date of U.S. Patent Application	
Residence of eighth inventor		
Signature of eighth inventor	Date of this assignment	
	The state of the s	
Name of ninth inventor	Execution date of U.S. Patent Application	
V 11		
Residence of ninth inventor		
Signature of ninth inventor	Date of this assignment	
OKIMINICAL MINIM INACHIAI	main de min ann. G	

2

PATENT REEL: 024942 FRAME: 0506