		06-0	09-2005		
FORM PTO-1595 R	ECORDA PAT		018328	3. DEPARTMENT OF COMMER Patent and Trademark Office	
To the Honorable Commissioner	of Patents and	Trademarks: P	lease Record the attache	ed original documents or copy the	ner eof .
1. Name of conveying party(ies): YOSHIAKI WATANABE HIRONOBU NARUI YUICHI KUROMIZU YOSHINORI YAMAUCHI YOSHIYUKI TANAKA			2. Name and addres	ss of receiving party(ies): prporation	PT0
			Internal Address:		118260 U.S. PTO 11/143806
Additional name(s) of conveying party(ies) attached? 口 Yes 区 No			Shinagawa-ku, Tok		
3. Nature of conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date 5/11/05, 5/12/05, 5/11/05, 5/11/05 & 5/16/05				State:Zip: Address(es) attached □ Yes 区	No
4. Application (number(s) o If this document is being file 5/11/05, 5/12/05, 5/11/05, 5/11	d together wit	th a new appl	ication, the execution	date of the application is:	
A. Patent Application No.(s)			B: Patent No.(s))	
Attorney Docket No.	09792909-62	20			
Additional numbers attached	d? □ Yes ⊠	I No			
5. Name and address of party to whom correspondence concerning document should be mailed:			7. Total Fee (37 CFF	applications and patents inv	<u>1</u>
SONNENSCHEIN NATH & ROSENTHAI P.O. Box #061080 Wacker Drive Station Sears Tower Chicago, IL 60606-1080 Customer ID No. 26263		HAL LLP	attorneys' American attached for that pu	y is authorized to be charge	
			8. Deposit Account 19.314 (Attach duplicate copy	Number:	ount)
DO NOT USE THIS SPA	CE				
9. Statement and signature: To the best of my knowledge a true copy of the original de David R. Metzger Name of Person Signi	ocument.	ne foregoing i	Mesas	d correct and any attached of June 2, 2005 Date Total number of pages 3	copy is
Mail documents to be recorded and required cover sheet information to: Commissioner for Patents					
Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450					

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PATENT REEL: 016657 FRAME: 0183

		09792909-6220
Docket	Number:	

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, 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 SURFACE EMITTING SEMICONDUCTOR LASER, ITS MANUFACTURING METHOD, AND MANUFACTURING METHOD OF ELECTRON DEVICE 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 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced 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 filing 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. And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: ______, Filing Date:______ This assignment executed on the dates indicated below. Yoshiaki WATANABE Execution date of U.S. Patent Application Name of first or sole inventor Kanagawa, Japan Residence of first or sole inventor Signature of Mrst or sole inventor

> **PATENT** REEL: 016657 FRAME: 0184

Hironobu NARUI Execution date of U.S. Patent Application Name of second inventor Kanagawa, Japan Residence of second inventor May 12: 2005

Date of this assignment Hironobu Marin Yuichi KUROMIZU Execution date of U.S. Patent Application Name of third inventor Kanagawa, Japan Residence of third inventor May 11, 2005

Date of this assignment Yoshinori YAMAUCHI Name of fourth inventor Execution date of U.S. Patent Application Tokyo, Japan Residence of fourth inventor Joshnon Janauch Signature of fourth inventor May // 2005

Date of this assignment Yoshiyuki TANAKA Name of fifth inventor Execution date of U.S. Patent Application Miyagi, Japan Residence of fifth inventor May 16, 2005

Date of this assignment

RECORDED: 06/02/2005

PATENT REEL: 016657 FRAME: 0185