PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUNSUKE KONO	09/16/2011
HIROYUKI YOKOYAMA	08/19/2011
MASARU KURAMOTO	09/20/2011
ТОМОҮИКІ ОКІ	09/12/2011

RECEIVING PARTY DATA

Name:	Sony Corporation	
Street Address:	1-7-1 Konan, Minato-ku	
City:	Tokyo	
State/Country:	JAPAN	
Name:	TOHOKU UNIVERSITY	
Street Address:	2-1-1 KATAHIRA, AOBA-KU, SENDAI-SHI	
City:	MIYAGI	
State/Country:	JAPAN	
Postal Code:	980-8577	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14186679

CORRESPONDENCE DATA

Fax Number: (312)827-8185

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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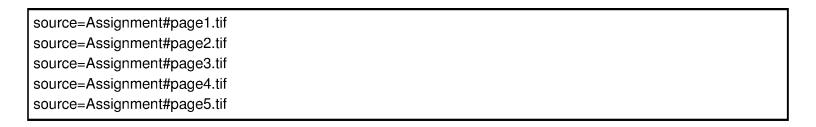
Correspondent Name: K&L GATES
Address Line 1: P.O. BOX 1135

Address Line 4: CHICAGO, ILLINOIS 60690-1135

NAME OF SUBMITTER:	JEFFREY M. INGALLS
SIGNATURE:	/Jeffrey M. ingalls/
DATE SIGNED:	05/23/2014

Total Attachments: 5

PATENT
REEL: 032955 FRAME: 0968



PATENT REEL: 032955 FRAME: 0969

ASSIGNMENT

WHEREAS, the undersigned, to wit: WHEREAS, the undersigned, to wit: Shunsuke Kono, Hiroyuki Yokoyama, Masaru Kuramoto, and Tomoyuki Oki; (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled: LASER DIODE ASSEMBLY, on which a patent application of the United States is executed of even date herewith and is about to be filed in the United States Patent and Trademark Office;

AND WHEREAS, <u>SONY CORPORATION</u> and a corporation duly organized and existing under the laws of <u>Japan</u> and having its principal office and place of business at <u>1-7-1 Konan</u>, <u>Minato-ku Tokyo</u>, <u>Japan</u> and <u>TOHOKU UNIVERSITY</u>, a corporation duly organized and existing under the laws of <u>Japan</u> and having its principal office and place of business at <u>2-1-1 Katahira</u>, <u>Aoba-ku</u>, <u>Sendai-shi</u>, <u>Japan</u>, (hereinafter "ASSIGNEES") desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNORS do hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNORS had this assignment and sale not been made, including, without limitation, all rights to the aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNORS hereby authorize and request the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS hereby agree to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNORS furthermore agree upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Signature	Date Signed	
Name: Shunsuke Kono	Seprender 16, 2011	
Address: c/o Tohoku University 2-1-1 Katahira, Aoba-ku, Sendai-shi Miyagi, 980-8577 Japan		
Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.		
Signature	Date Signed	
Mari Watanobe	September 22, 2011	

Mari Watanabe

Signature

Date Signed

August 19, 2011

August 22,2011

Address: c/o Tohoku University

Vitomi Suzuki

2-1-1 Katahira, Aoba-ku, Sendai-shi Miyagi, 980-8577 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

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Signature	<u>Date Signed</u>
masaru Kuramut	Can, 20, 20/1
Name: Masaru Kuramoto	
Address: c/o Sony Corporation 1-7-1 Konan, Minato-ku Tokyo, Japan	
Before me personally appeared the person instrument, and executed the foregoing instrument therein, by signing his/her name hereto.	n whose name is subscribed to the foregoing nt in my presence for the purpose contained
<u>Signature</u>	Date Signed
Mari Watanabe	September 22, 2011

Mari Watanabe

September 22, 2011

Signature		Date Signed
Jomos		Sep. 12,2011
Name: To	omoyuki Oki	,
Address:	c/o Sony Corporation. 1-7-1 Konan, Minato-ku Tokyo Japan	
instrumen		e person whose name is subscribed to the foregoing strument in my presence for the purpose contained
<u>Signature</u>		Date Signed

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Signature

Mari Watanabe

Mari Watanabe