

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Tomoyuki Oki	06/06/2011
Rintaro Koda	06/08/2011
Masaru Kuramoto	06/08/2011
Takao Miyajima	06/10/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Sony Corporation
<b>Street Address:</b>	1-7-1 Konan, Minato-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13163251
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<b>Total Attachments: 1</b> source=S11P1181US00J_Assgmt1#page1.tif	

OP \$40.00 13163251

ASSIGNMENT

FOR a valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned

TOMOYUKI OKI; RINTARO KODA; MASARU KURAMOTO; TAKAO MIYAJIMA

hereby sell(s), assign(s) and transfer(s) unto SONY CORPORATION, a corporation of Japan, having its principal office at 1-7-1, Konan, Minato-ku, Tokyo Japan; and TOHOKU UNIVERSITY, a corporation of Japan, having its principal office at 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan, the whole right, title and interest in and to a certain invention or improvement in

"ALIGNMENT METHOD OF SEMICONDUCTOR OPTICAL AMPLIFIER AND LIGHT OUTPUT DEVICE"

disclosed in an application for Letters Patent of the United States, prepared by the firm of SNR DENTON US LLP of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. \_\_\_\_\_, and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

I/We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said Sony Corporation, and Tohoku University.

For the same consideration, I/we hereby agree that I/we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: June 6, 2011

*Tomoyuki Oki*  
Tomoyuki Oki

DATE: June 8, 2011

*Rintaro Koda*  
Rintaro Koda

DATE: June 8, 2011

*Masaru Kuramoto*  
Masaru Kuramoto

DATE: June 10, 2011

*Takao Miyajima*  
Takao Miyajima