

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3986246

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
AKIYOSHI WATANABE	06/21/2016
YOSHITAKA KUROSAKA	06/21/2016
KAZUYOSHI HIROSE	06/21/2016
TAKAHIRO SUGIYAMA	06/21/2016
SUSUMU NODA	06/30/2016

**RECEIVING PARTY DATA**

<b>Name:</b>	KYOTO UNIVERSITY
<b>Street Address:</b>	36-1, YOSHIDA-HONMACHI, SAKYO-KU
<b>City:</b>	KYOTO-SHI, KYOTO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	606-8501
<b>Name:</b>	HAMAMATSU PHOTONICS K.K.
<b>Street Address:</b>	1126-1, ICHINO-CHO, HIGASHI-KU
<b>City:</b>	HAMAMATSU-SHI, SHIZUOKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	435-8558

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15115713

**CORRESPONDENCE DATA**

**Fax Number:** (202)204-0289

**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.**

**Phone:** 202-842-8800

**Email:** dcpatentfiling@dbr.com

**Correspondent Name:** DRINKER BIDDLE & REATH (DC)

**Address Line 1:** 1500 K STREET, N.W.

**Address Line 2:** SUITE 1100

**Address Line 4:** WASHINGTON, D.C. 20005-1209

<b>ATTORNEY DOCKET NUMBER:</b>	046884-6350-00-US-544681
<b>NAME OF SUBMITTER:</b>	PETER J. SISTARE
<b>SIGNATURE:</b>	/Peter J. Sistare/
<b>DATE SIGNED:</b>	08/01/2016
<b>Total Attachments: 4</b> source=046884_6350__assignment#page1.tif source=046884_6350__assignment#page2.tif source=046884_6350__assignment#page3.tif source=046884_6350__assignment#page4.tif	

# ASSIGNMENT

Whereas, I/we,

Name

Address

1) Akiyoshi WATANABE

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

2) Yoshitaka KUROSAKA

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

3) Kazuyoshi HIROSE

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

4) Takahiro SUGIYAMA

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

5) Susumu NODA

c/o Kyoto University,  
36-1, Yoshida-honmachi,  
Sakyo-ku, Kyoto-shi, Kyoto 606-8501 Japan

hereinafter called assignor(s), have invented certain improvements in  
**SEMICONDUCTOR LASER MODULE**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

Whereas

Kyoto University

36-1, Yoshida-honmachi, Sakyo-ku,  
Kyoto-shi, Kyoto 606-8501 Japan

and, HAMAMATSU PHOTONICS K.K.

1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

## INVENTORS

## DATE SIGNED

1):

渡邊 明佳

Name :

Akiyoshi WATANABE

2016 / 6 / 21

2):

黒坂 剛孝

Name :

Yoshitaka KUROSAKA

2016 / 6 / 21

3) :

Name :

廣瀬 和義

Kazuyoshi HIROSE

2016 / 6 / 21

4) :

Name :

杉山 貴浩

Takahiro SUGIYAMA

2016/6/21

5) :

Name :

Susumu NODA

**ASSIGNMENT**

Whereas, I/we,

NameAddress

1) Akiyoshi WATANABE

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

2) Yoshitaka KUROSAKA

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

3) Kazuyoshi HIROSE

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

4) Takahiro SUGIYAMA

c/o Hamamatsu Photonics K.K.,  
1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

5) Susumu NODA

c/o Kyoto University,  
36-1, Yoshida-honmachi,  
Sakyo-ku, Kyoto-shi, Kyoto 606-8501 Japan

hereinafter called assignor(s), have invented certain improvements in  
SEMICONDUCTOR LASER MODULE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless  
otherwise indicated below:

filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

Whereas

Kyoto University

36-1, Yoshida-honmachi, Sakyo-ku,  
Kyoto-shi, Kyoto 606-8501 Japan

and, HAMAMATSU PHOTONICS K.K.

1126-1, Ichino-cho, Higashi-ku,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States  
patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is  
hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,  
transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to  
this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States  
which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of  
Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and  
assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with  
assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal  
proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or  
desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,  
continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its  
successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being  
understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and  
assigns.

INVENTORSDATE SIGNED

1):

Name : Akiyoshi WATANABE

2):

Name : Yoshitaka KUROSAKA

3) :

Name : Kazuyoshi HIROSE

4) :

Name : Takahiro SUGIYAMA

5) :

Name : *Susumu Noda*  
Susumu NODA

*6, 30, 2016*