# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5702246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
KENICHI UEDA	07/30/2019
KOICHI IYAMA	08/20/2019
YOSHINORI KATO	07/26/2019
TAKASHI SEKINE	07/29/2019
TOSHIYUKI KAWASHIMA	08/05/2019

### **RECEIVING PARTY DATA**

Name:	HAMAMATSU PHOTONICS K.K.
Street Address:	1126-1, ICHINO-CHO, HIGASHI-KU
City:	HAMAMATSU-SHI, SHIZUOKA
State/Country:	JAPAN
Postal Code:	435-8558

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16484302

# **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

Total Attachments O		
DATE SIGNED:	09/05/2019	
SIGNATURE:	/Peter J. Sistare/	
NAME OF SUBMITTER:	PETER J. SISTARE	
ATTORNEY DOCKET NUMBER:	046884-6820-00-US-592118	

Total Attachments: 2

PATENT REEL: 050276 FRAME: 0141 source=064884\_6820\_\_assignment#page1.tif source=064884\_6820\_\_assignment#page2.tif

> PATENT REEL: 050276 FRAME: 0142

Name   Address			A	SSIGN	MENT		
Note	Whereas, I/we,						
Keaichi UEDA	<u>Name</u>			<u>Addre</u>	<u>ess</u>		
Notichi IYAMA			c/o Hamar	natsu Photonics K.	K.,		
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Takashi SEKINE   Hamamatan-Mykonoko AS-SSS Bapan	Yoshinori KAT	0					
Takashi SEKINE    1126-1, Lishio-olo, Bigashi-ku, Hamamatas-th, Shizooka 435-8358 Japan co Banamatas-th, Shizooka 435-8558 Japan co Banamatas-th, Shizooka 435-8	,					***************************************	·····
Hamanustavelia, Shizonka 435-4353 Japan     Toshiyuki KAWASHIMA   Information Theories K.K.   1126-11. Lektine-do. Illipathi-ku,     Hamanustavelia, Shizonka 435-4358 Japan     ASER MEDIUM UNIT AND LASER DEVICE     Indexecuted an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise addicated below:     Ifted on Avgust 7 2019   Serial No.   61484-302   ; and     Whereas	\ Tokochi STEIN	nr					
Toshiyuki KAWASHIMA  1126-1, Ishino-cho, Higashi-ka, Hamanatsu-chi, Shizuoka 435-3538 Japan  ereinafter called assignor(s), have invented certain improvements in ASER MEDIUM UNIT AND LASER DEVICE  and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise and icated below:  filed on Avgust 7, 2019, Serial No. 6/484-302; and Whereas  HAMAMATSU PHOTONICS K.K.  1126-1, Ichino-cho, Higashi-ku, Hamanatsu-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 statents to be obtained therefor;  NOW THEREFORE, be it known that, for good and valuable consideration from assignce, the receipt of which is successor sand assigns, MY/OUR entire right, title, and interest in and to this nevertly acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, undest over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this nevertlon and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which nay be grunted thereon, and all reissues thereof, and I/WE hereby authorize and request the Commissioner 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, for 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 assignse, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it be	) Takasiii Ozikii						
recinaîter called assignor(s), have invented certain improvements in  ASER MEDIUM UNIT AND LASER DEVICE  and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:  filed on Avgust 7, 2019, Serial No. 16/484302; and Whereas  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 batents to be obtained therefor; NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is sereby acknowledged, IWE, 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 nay be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the Commissioner of Patents and Prademarks of the United States to issue all Letters Patent for this invention to 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, 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, 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							
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NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is nereby 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 nevention 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 Frademarks 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.  In the event that the patent application filing date or serial number is not known at the time this Assignment is executed I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.  INVENTORS  DATE SIGNED  20/9/8/20  DATE SIGNED			e right, title	and interest in	the application	and invention, and to any Uni	ted States
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I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.  INVENTORS  DATE SIGNED  20/9/7/30  Name:  Kenichi UEDA  20/9/8/20	assignee, its successign all lawful paper the title to this inven- applications, make a and enforce proper p execution of such pa	sors and assigns, are when called upon ation in said assignall rightful oaths are patent protection for apers shall be born	ny facts kno on to do so, ee, its succe nd generally or this inve- te by the ass	own to ME/US execute and dessors and ass do everything ntion in the Un signee, its successions	Frespecting this is a cliver all papers igns, execute all grossible to aid nited States, it be cessors and assign	nvention and testify in any leath that may be necessary or desi- divisional, continuation, and assignee, its successors and a sing understood that any expenses.	gal proceeding, rable to perfect reissue ssigns, to obtain use incident to the
1): KNCOM 20/9/7/30 Name: Kenichi UEDA 2): Voichi 1yama 20/9/8/20	I/WE hereby grant p	permission to the a	ttorneys of	record in the p	patent application	mown at the time this Assign to fill in the filing date and/o	ment is executed, or serial number
Name: Kenichi UEDA  2019 / 8/20  2019 / 8/20		<u>r</u>	NVENTO	RS		DATE SIGN	ED
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Page 1 of 2

3):	Joshinori Kalo	2019/7/26
Name:	Yoshinori KATO	
4):	Takashi Sekine	2019/17/29
Name:	Takashi SEKINE	,
5):	Toshiyuki Kawashima	2019/8/8
Name:	7 Toshiyuki KAWASHIMA	

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Page 2 of 2