

## PATENT ASSIGNMENT COVER SHEET

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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>
YUTA ISHIGE	08/30/2017
ETSUJI KATAYAMA	08/30/2017
HAJIME MORI	08/30/2017
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<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15513371
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>SIGNATURE:</b>	/Raymond A. DiPerna/
<b>DATE SIGNED:</b>	09/07/2017
<b>Total Attachments: 3</b>	
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Practitioner's Docket No. \_\_\_\_\_

**PATENT**

For: ☒ U.S. and/or ☐ Foreign Rights  
For: ☒ U.S. Application or  
      ☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

Yuta ISHIGE

\_\_\_\_\_  
*(type or print name of inventors)*

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Nationality

Added page(s) for signature by subsequent inventors. Number of pages added



(if assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO, add the following)

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

Frame \_\_\_\_\_

hereby sells, assigns and transfers to  
ASSIGNEE

TECHNOLOGY RESEARCH ASSOCIATION  
FOR FUTURE ADDITIVE MANUFACTURING  
(type or print name of ASSIGNEE)

6F Nihonbashi First Bldg., 2-19,  
Address

Japanese  
Nationality

Nihonbashi 1-chome, Chuo-ku, Tokyo, Japan

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest  
☐ an undivided \_\_\_\_\_ percent (\_\_\_\_ %) right, title and interest  
for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☐ and in all foreign countries, including all rights to claim priority, in and to any and all  
improvements which are disclosed in the invention entitled:

SEMICONDUCTOR LASER MODULE AND THREE-DIMENSIONAL LAMINATING  
AND SHAPING APPARATUS

Name of inventor(s) Yuta ISHIGE Etsuji KATAYAMA Hajime MORI

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in (37 C.F.R. 3.21)

- (a) ☐ Not yet filed U.S. patent application executed on even date herewith  
(b) ☐ Not yet filed U.S. patent application executed on \_\_\_\_\_  
(c) ☐ Not yet filed U.S. provisional application naming the above inventor(s) for the  
above-entitled invention  
☐ To comply with 37 C.F.R. 3.21 for recordal of this assignment, I, an  
ASSIGNOR signing below, hereby authorize and request my attorney to  
insert below the filing date and application number when they become  
known.  
(d) ☒ U.S. patent or provisional patent application no. 15/513,371  
filed on March 22, 2017  
(e) ☐ International application no. PCT/

- (f) ☐ U.S. patent no. \_\_\_\_\_ issued  
☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal

**WARNING:** The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

<u>Yuta ISHIGE</u>	<u>Yuta Ishige</u>	<u>August 30, 2017</u>
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
<u>Etsuji KATAYAMA</u>	<u>Etsuji Katayama</u>	<u>August 30, 2017</u>
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
<u>Hajime MORI</u>	<u>Hajime Mori</u>	<u>August 30, 2017</u>
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
_____	_____	_____
(type name of Assignor)	Signature of ASSIGNOR	this date of signing

(if ASSIGNOR is a legal entity, complete the following information)

\_\_\_\_\_  
(type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR)

\_\_\_\_\_  
Title

**NOTE:** No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

☐ Notarization or Legalization Page Added.