

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3793981

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKASHI SATO	03/14/2016
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14785730
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<b>DATE SIGNED:</b>	03/22/2016
<b>Total Attachments: 3</b>	
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source=0195203asg#page3.tif	

For:  U.S. and/or  Foreign Rights  
 For:  U.S. Application or  
        U.S. Provisional Application  
 For:  U.S. Patent  
 For:  PCT Application  
 By:  Inventor(s) or  Present Owner

**ASSIGNMENT OF INVENTION**

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,

**ASSIGNOR:**

Inventor(s) or person(s) or entity(ies)  
who own the invention

Takashi SATO  
*(type or print name(s) of ASSIGNOR(S))*

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Japanese  
Nationality

*(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(s) of ASSIGNEE(S))*

6F Nihonbashi First Bldg., 2-19,  
Address  
Nihonbashi 1-chome, Chuo-ku, Tokyo, Japan

Japanese  
Nationality

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:

ELECTRON GUN, CONTROL METHOD AND CONTROL PROGRAM THEREOF, AND  
THREE-DIMENSIONAL SHAPING APPARATUS

Name of inventor(s) Takashi SATO

(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 CFR 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. 14/785,730 filed on October 20, 2015
- (e)  International application no. PCT / \_\_\_\_\_ / \_\_\_\_\_ filed on \_\_\_\_\_
- (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.

(Assignment of Invention - page 2 of 3) 16-3

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, I/We have hereunto set hand and seal this

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

Date: March. 14, 2016

Takashi SATO  
Signature of ASSIGNOR(S)

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

*(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.