

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5833579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DANIEL SHAPIRO	09/08/2016
MARK GOSSELIN	09/08/2016
ANTHONY WRIGHT	09/08/2016
DEAN PUTNEY	09/14/2016
TIMOTHY ELLIS	09/20/2016
LAUREN BANKA	10/25/2016
RECEIVING PARTY DATA	
Name:	GLOWFORGE, INC.
Street Address:	2200 FIRST AVENUE SOUTH
Internal Address:	FIRST FLOOR
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98134
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16691426
Application Number:	16691429
CORRESPONDENCE DATA	
Fax Number:	(858)314-1501
<i>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.</i>	
Email:	mscarr@mintz.com
Correspondent Name:	MINTZ LEVIN SAN DIEGO / LILY ZHANG
Address Line 1:	3580 CARMEL MOUNTAIN ROAD
Address Line 2:	SUITE 300
Address Line 4:	SAN DIEGO, CALIFORNIA 92130
ATTORNEY DOCKET NUMBER:	048006-507C02US/507C03US
NAME OF SUBMITTER:	LI (LILY) ZHANG
SIGNATURE:	/li zhang/

DATE SIGNED:	11/21/2019
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Total Attachments: 6

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ASSIGNMENT

We, **Daniel Shapiro**, of Seattle, Washington, **Mark Gosselin** of Seattle, Washington, **Anthony Wright**, of Seattle, Washington, **Dean Putney**, of Seattle, Washington, **Timothy Ellis**, of Seattle, Washington, and **Lauren Banka**, of Seattle, Washington, the undersigned, hereinafter referred to as the ASSIGNORS, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **GLOWFORGE, INC.** with an office located at 2944 First Ave. South, Seattle, Washington 98134, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the applications for United States Letters Patents listed in **Schedule A** hereto, including its right to sue for and collect for past infringement thereof;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which by Assignor is hereby acknowledged, and intending to be legally bound hereby, the Assignor does hereby assign, sell, transfer and set over unto the Assignee its entire right, title and interest in, to and under the Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications identified in **Schedule A** hereto, and any and all renewals, revivals, reissues, reexaminations, and extensions thereof in the United States or in any country, including Assignor's right to sue for and collect damages and other recoveries for past infringement thereof; and the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the inventions, discoveries and applications of the Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications identified in **Schedule A** hereto; the same to be held and enjoyed by the Assignee successors and assigns, as fully as the same would have been held and enjoyed by the Assignor had this Assignment not been made.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for the above inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications issuing on or pertaining to the inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

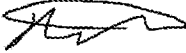
We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on the

above inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

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

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to the invention and the Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications identified in **Schedule A** hereto 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 the invention and the Letters Patents, currently pending applications for Letters Patent, and any Letters Patent issuing from said pending applications identified in **Schedule A** hereto and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

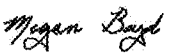
Date: 9/8/2016

DocuSigned by:

CC4CE57C08B4403...

Signature of: **Daniel Shapiro**

IN WITNESS WHEREOF, I, Megan Boyd, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:

D168377D462D458...

(Signature of witness)

Date: 9/8/2016

Date: 9/8/2016 DocuSigned by:
Mark Gosselin
0C850EB4E3A9450...
Signature of: **Mark Gosselin**

IN WITNESS WHEREOF, I, Megan Boyd, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:
Megan Boyd
D168377D462D45B...
(Signature of Witness)

Date: 9/8/2016

Date: 9/8/2016 DocuSigned by:
Anthony Wright
328D5FBCC8474D0...
Signature of: **Anthony Wright**

IN WITNESS WHEREOF, I, Megan Boyd, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:
Megan Boyd
D168377D462D45B...
(Signature of Witness)

Date: 9/8/2016

Date: 9/14/2016

DocuSigned by:
Dean Putney

CC97CDE0B4EC448...

Signature of: **Dean Putney**

IN WITNESS WHEREOF, I, Megan Boyd, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:
Megan Boyd

D168377D462D45B...

(Signature of Witness)

Date: 9/14/2016

Date: 9/20/2016

DocuSigned by:
Timothy Ellis

7A756BEA3DFF448...

Signature of: **Timothy Ellis**

IN WITNESS WHEREOF, I, Alyson Murphy, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:
Alyson Murphy

88F8710D1B284F9...

(Signature of Witness)

Date: 9/20/2016

Date: 10/25/2016

DocuSigned by:
Lauren Banka
98F7B1C129A8423...
Signature of: **Lauren Banka**

IN WITNESS WHEREOF, I, Morgan Redfield, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

DocuSigned by:
Morgan Redfield
5085D999AF33488...
(Signature of Witness)

Date: 10/25/2016

Schedule A

Application No.	Filing Date	Publication No.	Patent No.	Patent Issued Date	Country	Title
62/222,756	09-23-2015				US	Image-Guided Laser-Based Manufacturing System Machine Instruction
62/222,757	09-23-2015				US	Machine-Vision Enhanced Manufacturing System
62/222,758	09-23-2015				US	Previewing of Machine-Vision Enhanced Manufacturing Processes
62/115,571	02-12-2015				US	Cloud-Based Manufacturing System
62/115,562	02-12-2015				US	Machine Vision-Aided Manufacturing Systems