

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7727161

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHANG LIU	01/04/2023
KENT ARNOLD NICKERSON	01/04/2023
MOJTABA HAJIALAMDARI	01/04/2023
JAMES P. SHAFFER	01/04/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUANTUM VALLEY IDEAS LABORATORIES
<b>Street Address:</b>	560 WESTMOUNT ROAD NORTH
<b>City:</b>	WATERLOO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2L 0A9
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18150110
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	214.295.5719
<b>Email:</b>	docket@henry.law
<b>Correspondent Name:</b>	BRENT A. CLOTHIER
<b>Address Line 1:</b>	8350 N. CENTRAL EXPY.
<b>Address Line 2:</b>	SUITE 1750
<b>Address Line 4:</b>	DALLAS, TEXAS 75206
<b>ATTORNEY DOCKET NUMBER:</b>	QLABS-027001
<b>NAME OF SUBMITTER:</b>	BRENT A. CLOTHIER
<b>SIGNATURE:</b>	/Brent A. Clothier/
<b>DATE SIGNED:</b>	01/05/2023
<b>Total Attachments: 5</b>	
source=Exec_Assignment_QLABS-027001#page1.tif	
source=Exec_Assignment_QLABS-027001#page2.tif	

source=Exec\_Assignment\_QLABS-027001#page3.tif

source=Exec\_Assignment\_QLABS-027001#page4.tif

source=Exec\_Assignment\_QLABS-027001#page5.tif

## ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Chang Liu, Kent Arnold Nickerson, Mojtaba Hajialamdari, and James P. Shaffer, each individually, assign to Quantum Valley Ideas Laboratories, a Canadian Not-For-Profit Corporation, having a principal place of business at 560 Westmount Road North, Waterloo, ON N2L 0A9, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the subject matter (the “Subject Matter”) of a patent application that names us as inventors, is titled “Tuning the Output of a Laser,” and was filed in the United States Patent and Trademark Office on January 4, 2023, as application 18/150,110 (the “Application”). We authorize the insertion of the filing date and application number above.

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors’ certificates for, any of the Subject Matter (collectively the “Applications and Granted Rights”) in every country or region, (b) the right to claim priority based on the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee’s name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee’s name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Chang Liu  
Chang Liu

Date: Jan - 04 - 2023

Witnessed by:

Signature: P. Shen

Date: 2023-01-04

Print Name: Pinrui Shen

Kent Arnold Nickerson  
Kent Arnold Nickerson

Date: 4 Jan 2023

Witnessed by:

Signature: Donald Booth

Date: 2023-01-04

Print Name: Donald Booth

M. H. almdari

Mojtaba Hajialamdari

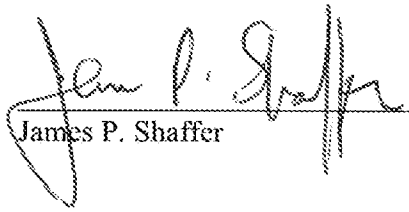
Date: January 4th, 2023

Witnessed by:

Signature: R. Shen

Date: 2023-01-04

Print Name: Pinrui Shen

  
James P. Shaffer

Date: 01/04/2023

Witnessed by:

Signature: TOM MINARD

Date: 01/04/2023

Print Name: Tom Minard