

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT8083197

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBIN HUANG	10/31/2016
PARVIZ TAYEBATI	10/31/2016
WANG-LONG ZHOU	10/31/2016
BIEN CHANN	11/08/2016
FRANCISCO VILLAREAL-SAUCEDO	10/31/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TERADIODE, INC.
<b>Street Address:</b>	30 UPTON DRIVE
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01887
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17525106
<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>Email:</b>	phpatentcorrespondence@morganlewis.com
<b>Correspondent Name:</b>	MORGAN, LEWIS, & BOCKIUS LLP (BO)
<b>Address Line 1:</b>	1701 MARKET STREET
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19103
<b>ATTORNEY DOCKET NUMBER:</b>	TER-095C1/110853-5095
<b>NAME OF SUBMITTER:</b>	MATTHEW T. CURRIE
<b>SIGNATURE:</b>	/Matthew T. Currie/
<b>DATE SIGNED:</b>	07/28/2023
<b>Total Attachments: 6</b>	
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**PATENT APPLICATION**  
**Assignment**

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned co-inventors, hereinafter referred to as Assignors:

**ROBIN HUANG**

**PARVIZ TAYEBATI**

**WANG-LONG ZHOU**

**BIEN CHANN**

**FRANCISCO VILLAREAL-SAUCEDO**

Who have created a certain invention for which an application for United States Letters Patent entitled "**POLARIZATION-ADJUSTED AND SHAPE-ADJUSTED BEAM OPERATION FOR MATERIALS PROCESSING**", was filed at the U.S. Patent and Trademark Office on **September 9, 2016** and assigned U.S. Patent Application Serial No. **15/261,096**,

Do hereby sell, assign and transfer to **TeraDiode, Inc.** a corporation having a place of business at 30 Upton Drive, Wilmington, MA 01887, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all nonprovisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **TeraDiode, Inc.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all non-provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all

applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP

Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.


IN THE TESTIMONY WHEREOF, we have hereunto set our signature on the date indicated below.

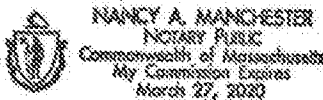
  
\_\_\_\_\_  
ROBIN HUANG

Date: 10/31/16

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 31 day of October, 2016, before me personally came ROBIN HUANG, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

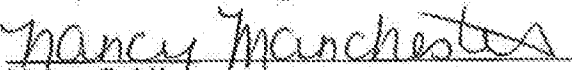



  
\_\_\_\_\_  
PARVIZ TAYEBATI

Date: 10/31/16

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 31 day of October, 2016, before me  
personally came PARVIZ TAYEBATI, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
\_\_\_\_\_  
Notary Public

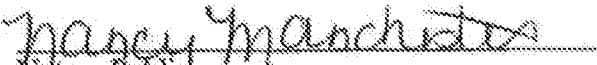
 NANCY A. MANCHESTER  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 27, 2020


  
WANG-LONG ZHOU


Date: 10/31/16

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 31 day of October, 2016, before me  
personally came WANG-LONG ZHOU, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

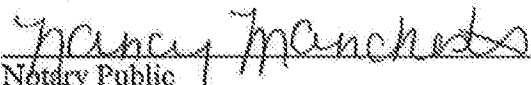
 NANCY A. MANCHESTER  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 27, 2023


  
BIEN CHANN

Date: 11/8/16

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 8 day of November, 2016, before me  
personally came BIEN CHANN, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

 **NANCY A. MANCHESTER**  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 27, 2020

Fco. J. Villareal S  
FRANCISCO VILLAREAL-SAUCEDO

Date: 10/31/16

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 31 day of October, 2016, before me  
personally came FRANCISCO VILLAREAL-SAUCEDO, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Nancy Marchetti  
Notary Public