

## 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>
MING LEI	01/25/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FEMTOMETRIX, INC.
<b>Street Address:</b>	1604 VENICE BLVD.
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90006
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16412216
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<b>ATTORNEY DOCKET NUMBER:</b>	FMETRX.024A
<b>NAME OF SUBMITTER:</b>	MARK J. GALLAGHER
<b>SIGNATURE:</b>	/Mark J. Gallagher/
<b>DATE SIGNED:</b>	09/12/2023
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

WHEREAS, Ming Lei, residing at Irvine, CA (individual hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to the provisional patent applications listed in Table 1 below (collectively hereinafter referred to as the "Work") for which applications for Letters Patent in the United States have been prepared for filing (identified above and in Table 1 below) with the United States Patent and Trademark Office (hereinafter the "Applications");

**TABLE 1**

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>	<u>Docket Number</u>
US	62/628033	02/08/18	FIELD-BIASED SECOND HARMONIC GENERATION METROLOGY USING CORONA DISCHARGE SOURCE	FMETRX.019PR
US	62/663942	04/27/18	METHODS TO EVALUATE PATTERNED WAFER BY OPTICAL SECOND HARMONIC GENERATION	FMETRX.021PR
US	62/663925	04/27/18	PARAMETRIC MODELING FOR INTERFACIAL ELECTRIC PROPERTIES BY SHG MEASUREMENT	FMETRX.022PR
US	62/663924	04/27/18	TEST STRUCTURE DESIGN FOR DETECTION OF PROCESS INDUCED CHARGING BY OPTICAL SECOND HARMONIC GENERATION	FMETRX.023PR
US	62/671616	05/15/18	SECOND HARMONIC GENERATION (SHG) IMAGING BASED OPTICAL INSPECTION SYSTEM DESIGN	FMETRX.024PR
US	62/671611	05/15/18	SYSTEM DESIGN FOR HYBRID-POLARIZATION OPTICAL SECOND HARMONIC GENERATION	FMETRX.025PR

AND WHEREAS, FemtoMetrix, Inc., a Delaware Corporation, having an address at 2815 McGaw Avenue, Irvine, California, 92614 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application Nos. 62/628033; 62/663942;

62/663925; 62/663924; 62/671616; 62/671611, filed February 8, 2018; April 27, 2018; April 27, 2018; April 27, 2018; May 15, 2018; and May 15, 2018, respectively), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Ming Lei

Inventor Signature: Ming Lei Date: 01/25/2019  
Witnessed by: William Galvan  
Witness Name (printed): William Galvan

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