

## 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>
CHU-YIN CHANG	10/11/2018
BRETT L. LIMONE	10/11/2018
RALPH F. POLIMENI JR.	10/11/2018
JAMES D. ENGLISH	10/11/2018
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<b>Street Address:</b>	600 RIVERPARK DRIVE
<b>City:</b>	NORTH READING
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01864
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16159197
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<b>SIGNATURE:</b>	/Catherine Langlais/
<b>DATE SIGNED:</b>	10/15/2018
<b>Total Attachments: 2</b>	
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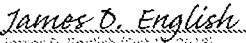
## ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, we, Chu-Yin Chang, of Reading, MA, Brett L. Limone, of Danvers, MA, Ralph F. Polimeni, Jr., of Reno, NV, and James D. English of Alva, FL, hereby assign to: Teradyne, Inc., a Massachusetts corporation having a place of business at: 600 Riverpark Drive, North Reading, MA 01864, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled SYSTEM AND METHOD FOR WELD PATH GENERATION filed on October 12, 2018, at the United States Patent and Trademark Office, under U.S. Application Serial No. 16/159,197; we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known. This assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

<b>Full Name of First Inventor:</b> (given name, middle initial, family name)		<b>Chu-Yin Chang</b>	
Inventor's Signature		Execution Date	<b>Oct 11, 2018</b>

<b>Full Name of Second Inventor:</b> (given name, middle initial, family name)		<b>Brett L. Limone</b>	
Inventor's Signature	 <small>Brett Limone (Oct 11, 2018)</small>	Execution Date	<b>Oct 11, 2018</b>

<b>Full Name of Third Inventor:</b> (given name, middle initial, family name)		<b>Ralph F. Polimeni, Jr.</b>	
Inventor's Signature	 <small>Ralph F. Polimeni Jr. (Oct 11, 2018)</small>	Execution Date	<b>Oct 11, 2018</b>

<b>Full Name of Fourth Inventor:</b> (given name, middle initial, family name)		<b>James D. English</b>	
Inventor's Signature	 <small>James D. English (Oct 11, 2018)</small>	Execution Date	<b>Oct 11, 2018</b>