

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3888247

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TIMOTHY DANIEL LYONS	12/09/2015
FRANK B. PARRISH	12/04/2015
ROGER ALLEN SINSHEIMER	12/07/2015
BRIAN G. DONOVAN	12/03/2015
VLADIMIR VAYNER	12/04/2015
BRANDON E. CREAGER	12/03/2015
BRIAN C. WADELL	12/01/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TERADYNE, INC.
<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>
<b>Application Number:</b>	14965510
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)502-5002
<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>	617-248-5000
<b>Email:</b>	patentdocket@choate.com
<b>Correspondent Name:</b>	CHOATE, HALL & STEWART, LLP
<b>Address Line 1:</b>	TWO INTERNATIONAL PLACE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	2012318-0292
<b>NAME OF SUBMITTER:</b>	PAUL PYSHER
<b>SIGNATURE:</b>	/Paul Pysher/
<b>DATE SIGNED:</b>	05/25/2016

**Total Attachments: 21**

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, TIMOTHY DANIEL LYONS, FRANK B. PARRISH, ROGER ALLEN SINSHEIMER, BRIAN G. DONOVAN, VLADIMIR VAYNER, BRANDON E. CREAGER, and BRIAN C. WADELL, each individually assign to TERADYNE, INC., a corporation formed under the laws of Massachusetts and having a principal place of business at 600 Riverpark Drive, North Reading, MA 01864, 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 "POCKETED CIRCUIT BOARD", and was filed in the United States Patent and Trademark Office on December 10, 2015, as application 14/965,510 (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 and 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.

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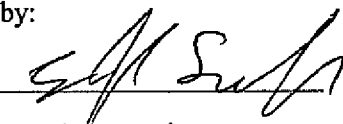
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declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

  
Timothy Daniel Lyons

Date: 12/9/2015

Witnessed by:

Signature:   
Print Name: EDWARD J. SENE JR.

Date: 12/10/2015

\_\_\_\_\_  
Frank B. Parrish

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Roger Allen Sinsheimer

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Brian G. Donovan

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

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\_\_\_\_\_  
Timothy Daniel Lyons Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Frank B. Parrish Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Roger Allen Sinsheimer Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brian G. Donovan Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Timothy Daniel Lyons

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_


Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
\_\_\_\_\_  
Frank B. Parrish

Date: 12/4/15

Witnessed by:

Signature:  \_\_\_\_\_

Date: 12/4/15

Print Name: Chris Neally

\_\_\_\_\_  
Roger Allen Sinsheimer

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brian G. Donovan

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Vladimir Vayner Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Brandon E. Creager Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brian C. Wadell Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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\_\_\_\_\_  
Timothy Daniel Lyons Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_


Print Name: \_\_\_\_\_

\_\_\_\_\_  
Frank B. Parrish Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
Roger Allen Sinsheimer Date: 12/7/15

Witnessed by:

Signature:  Date: 12/07/15

Print Name: TAO WANG

\_\_\_\_\_  
Brian G. Donovan Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Vladimir Vayner Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Brandon E. Creager Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Brian C. Wadell Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Frank B. Parrish Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_


Print Name: \_\_\_\_\_

\_\_\_\_\_  
Roger Allen Sinsheimer Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
\_\_\_\_\_  
Brian G. Donovan Date: 12/3/2015

Witnessed by:

Signature:  \_\_\_\_\_ Date: 12/3/2015

Print Name: CRAG DIPALO \_\_\_\_\_

\_\_\_\_\_  
Vladimir Vayner Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brandon E. Creager Date: \_\_\_\_\_

Witnessed by:

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Print Name: \_\_\_\_\_

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Brian C. Wadell Date: \_\_\_\_\_

Witnessed by:

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Print Name: \_\_\_\_\_

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Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Frank B. Parrish Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Roger Allen Sinsheimer Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brian G. Donovan Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_



Vladimir Vayner Date: 12/04/2015  
Vladimir Vayner

Witnessed by:  
Signature: [Signature] Date: 12/4/15  
Print Name: PAHIEL WATSON

\_\_\_\_\_  
Date: \_\_\_\_\_  
Brandon E. Creager

Witnessed by:  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Print Name: \_\_\_\_\_

\_\_\_\_\_  
Date: \_\_\_\_\_  
Brian C. Wadell

Witnessed by:  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Vladimir Vayner

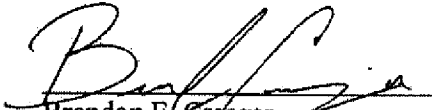
Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
Brandon E. Creager

Date: 12/3/2015

Witnessed by:

Signature: John Beatty, PE

Date: 12/3/2015

Print Name: JOHN BEATTY, PE

\_\_\_\_\_  
Brian C. Wadell

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

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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.

\_\_\_\_\_  
Timothy Daniel Lyons Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Frank B. Parrish Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Roger Allen Sinsheimer Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brian G. Donovan Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Vladimir Vayner Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_


Print Name: \_\_\_\_\_

\_\_\_\_\_  
Brandon E. Creager Date: \_\_\_\_\_

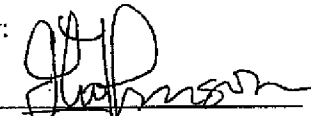
Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
Brian C. Wadell Date: 2015/201

Witnessed by:

Signature:  Date: 2015/201

Print Name: Joseph Johnson

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