PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Govindarajan T. Srinivasan	09/29/2008
Michael W. Hamblin	10/06/2008
Joseph F. Wrinn	09/30/2008
Peter A. Reichert	09/29/2008

RECEIVING PARTY DATA

Name:	TERADYNE, INC.	
Street Address:	600 Riverpark Drive (MS NR 700-2-3)	
City:	North Reading	
State/Country:	MASSACHUSETTS	
Postal Code:	01864	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12190035

CORRESPONDENCE DATA

Fax Number: (617)342-4001

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-342-4000

Email: mtoomey@foley.com
Correspondent Name: Joseph M. Maraia
Address Line 1: Foley & Lardner LLP

Address Line 2: 111 Huntington Avenue, 26th Floor
Address Line 4: Boston, MASSACHUSETTS 02199-7610

ATTORNEY DOCKET NUMBER:	077311-0168		
NAME OF SUBMITTER:	Joseph M. Maraja		

Total Attachments: 6

PATENT REEL: 021819 FRAME: 0871

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> PATENT REEL: 021819 FRAME: 0872

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Teradyne, Inc. 600 Riverpark Drive (MS NR 700-2-3) North Reading, Massachusetts 01864

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

X-RAY INSPECTION OF SOLDER REFLOW IN HIGH-DENSITY PRINTED CIRCUIT BOARD APPLICATIONS

check one	[executed concurrently herewith,	
	Ī	executed on	
	īΣ	Serial No. 12/190,035 Filed 8/1	2/2008

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

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ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

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Executed this / day of Hora 16, 20 00
1.5.7.
SULLE MA
State of VV V V
On this 29 day of Lenter by 2008, before me, Michel I from Tandary public in and
On this / day of / 20/1, before me, / / 1 / 20/1 (a notary public in and for said county), personally appeared GOVINDARAJAN T. SRINIVASAN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
Signature Michael John 100
MICHELE T. BROWN-TOSI Notary Public My Commission Expires: Common Calth of Massachusens
My Commission Expires December 5, 2014
(Seal)
Executed this day of, 20
Executed this day of, 20
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MICHAEL W. HAMBLIN
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Page 3 of 4

Executed this	day of	, 20
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		GOVINDARAJAN T. SRINIVASAN
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person whose name is subscribed to the	he within instrument and	O, before me,
WITNESS my hand and official seal.		
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A		MICHAEL W. HAMBLIN
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County of Medical County of County o)) MICHAEL W HAMBI	000, before me, 2000 To a notary public in and LIN, who proved to me on the basis of satisfactory evidence to be the person whose
name is subscribed to the within instr	ument and acknowledge	ed to me that he/she executed the same in his/her authorized capacity, and that by pon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.	-1	· ·
Signature for ichile	IJou	TOOL
My Commission Expires:	TI_ MOTOR	BROWN-TOSI Ty Public
(Seal)	L	or of Massachusetts assion Expires ar 5, 2014

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Executed this Day of Supenby, 2008.
State of
My Commission Expires: Michell T. Brown-Tosi Notary Public
PETER A. REICHERT State of
My Commission Expires: (Seal)

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E	xecuted this	day of	, 20	
		we	J	DSEPH F. WRINN
State of _		_)	· ·	
County o	f	_)		
ie enherrihed	to the within instrument and	, 20, before EPH F. WRINN, who proved to acknowledged to me that he/sh the entity upon behalf of which	e executed the same m	(a notary public in and sfactory evidence to be the person whose name his/her authorized capacity, and that by his/her uted the instrument.
WITNESS my	hand and official scal.			
Signature		Management of the state of the		
My Commiss	ion Expires:			
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E	xecuted this <u></u>	th day of Supfer) 20 <u>08</u>	
	. 1.	٠.	PE	TER A. REICHERT
State of_	- MA)	
	n this day of day, personally appeared PET		I to me on the basis of the/she executed the s	(a notary public in and satisfactory evidence to be the person whose ame in his/her authorized capacity, and that by
his/her signal	are on the instrument the pe	rson, or the entity upon behalf of	f which the person act	ed, executed the instrument.
WITNESS m	y land and official seal.	From - Ton		
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(Seal)		December 5, 2014		

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RECORDED: 11/12/2008