

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5475715

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC ROY	02/05/2015
JASON BOOTH	02/23/2015
CLAUDE ROBOTHAM	02/06/2015
FEDERICO IZZIA	02/17/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RIGAKU RAMAN TECHNOLOGIES, INC.
<b>Street Address:</b>	30 UPTON DRIVE
<b>Internal Address:</b>	SUITE 2
<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:	15003891
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(734)994-6331
<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>	skean@brinksgilson.com, annarbordocketing@brinksgilson.com
<b>Correspondent Name:</b>	BRINKS GILSON & LIONE
<b>Address Line 1:</b>	524 SOUTH MAIN STREET
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	ANN ARBOR, MICHIGAN 48104
<b>ATTORNEY DOCKET NUMBER:</b>	15159-012
<b>NAME OF SUBMITTER:</b>	SHELLY KEAN
<b>SIGNATURE:</b>	/Shelly Kean/
<b>DATE SIGNED:</b>	04/16/2019
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, Eric Roy, Jason Booth, Claude Robotham, and Federico Izzia, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SYSTEM AND METHOD TO MINIMIZE NONRANDOM ELECTRONIC NOISE IN SPECTROMETERS, for a full description of which reference is here made to an application for Letters Patent of the United States filed on January 23, 2015, and assigned Application Serial No. 62/106,970;

WHEREAS, Rigaku Raman Technologies, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 30 Upton Drive, Suite 2; Wilmington, MA 01887, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

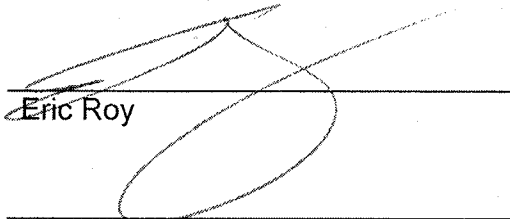
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The

Assignors hereby sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	<u>2/5/2015</u>	 Eric Roy
DATED:	_____	Jason Booth
DATED:	_____	Claude Robotham
DATED:	_____	Federico Izzia

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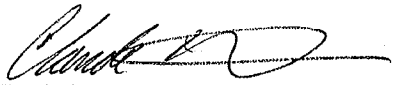
DATED:	_____	_____
		Eric Roy
DATED:	<u>2/23/15</u>	_____
		Jason Booth
DATED:	_____	_____
		Claude Robotham
DATED:	_____	_____
		Federico Izzia

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DATED:	_____	Jason Booth
DATED:	02/06/2015	 Claude Robotham
DATED:	_____	Federico Izzia

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DATED: \_\_\_\_\_

Jason Booth

DATED: \_\_\_\_\_

Claude Robotham

DATED: 02/17/2015

  
Federico Izzia