

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4251914

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
COLIN TREVOR	01/18/2017
MATTHEW LENT	01/24/2017
ALEXANDER JOZEF GUBBENS	01/19/2017
EDWARD JAMES	01/18/2017
RAY DUDLEY TWESTEN	01/18/2017
ROICE JOSEPH	01/19/2017
SANJAY PAREKH	01/30/2017
THOMAS SHA	01/18/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GATAN, INC.
<b>Street Address:</b>	780 COMMONWEALTH DRIVE
<b>City:</b>	WARRENDALE
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15086
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15411194
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)439-2658
<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>	571-297-0007
<b>Email:</b>	pto@snyderllp.com
<b>Correspondent Name:</b>	SNYDER, CLARK, LESCH & CHUNG, LLP
<b>Address Line 1:</b>	950 HERNDON PARKWAY
<b>Address Line 2:</b>	SUITE 365
<b>Address Line 4:</b>	HERNDON, VIRGINIA 20170
<b>ATTORNEY DOCKET NUMBER:</b>	0080-1029
<b>NAME OF SUBMITTER:</b>	NICHOLAS M. TINARI, JR.
<b>SIGNATURE:</b>	/Nicholas M. Tinari, Jr./

PATENT

<b>DATE SIGNED:</b>	01/31/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 16</b> source=0080-1029_Declarations-Assignments#page1.tif source=0080-1029_Declarations-Assignments#page2.tif source=0080-1029_Declarations-Assignments#page3.tif source=0080-1029_Declarations-Assignments#page4.tif source=0080-1029_Declarations-Assignments#page5.tif source=0080-1029_Declarations-Assignments#page6.tif source=0080-1029_Declarations-Assignments#page7.tif source=0080-1029_Declarations-Assignments#page8.tif source=0080-1029_Declarations-Assignments#page9.tif source=0080-1029_Declarations-Assignments#page10.tif source=0080-1029_Declarations-Assignments#page11.tif source=0080-1029_Declarations-Assignments#page12.tif source=0080-1029_Declarations-Assignments#page13.tif source=0080-1029_Declarations-Assignments#page14.tif source=0080-1029_Declarations-Assignments#page15.tif source=0080-1029_Declarations-Assignments#page16.tif	

**DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION**

Patent Application Title: ELECTRON ENERGY LOSS SPECTROMETER USING DIRECT  
DETECTION SENSOR

is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
 was filed on 20-Jan-2017 as United States Application Number 15/411,194 or PCT  
International Application Number \_\_\_\_\_.

I hereby authorize Applicant's representative to fill in the preceding information relating to the filing date and/or serial number, as appropriate.

Declaration of Inventor

As the below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Ray Dudley Twesten of Livermore, California, USA, have made a certain new and useful invention as set forth in the above-identified application for United States Letters Patent;

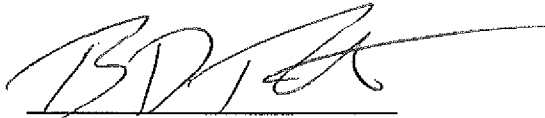
AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA 15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any previously or subsequently filed provisional applications, any subsequently filed applications and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Gatan, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, any previously or subsequently filed provisional applications, any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or

transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Gatan, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.



Ray Dudley Twesten  
475 Tyler Avenue  
Livermore, CA 94550  
USA

Date:

1/18/2017

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18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Thomas Sha of San Leandro, California, USA, have made a certain new and useful  
invention as set forth in the above-identified application for United States Letters Patent;

AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA  
15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any  
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without further or additional consideration but at the expense of said assignee, execute such additional  
assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to  
perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and  
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Thomas Sha  
2478 Belvedere Ave.  
San Leandro, CA 94577  
USA

Date: 01/18/2017

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18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Edward James of San Francisco, California, USA, have made a certain new and  
useful invention as set forth in the above-identified application for United States Letters Patent;

AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA  
15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any  
previously or subsequently filed provisional applications, any subsequently filed applications and in and to any  
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AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Gatan, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.



Edward James  
814 S. Van Ness Ave.  
San Francisco, CA 94110  
USA

Date: 1/18/2017



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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Colin Trevor of Pleasanton, California, USA, have made a certain new and useful invention as set forth in the above-identified application for United States Letters Patent;

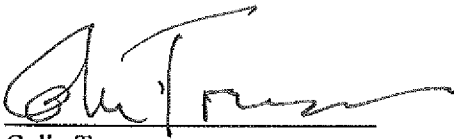
AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA 15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any previously or subsequently filed provisional applications, any subsequently filed applications and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Gatan, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, any previously or subsequently filed provisional applications, any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or

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Colin Trevor  
5436 San Jose Drive  
Pleasanton, CA 94566  
USA

Date: 18 Jan 2017

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Alexander Jozef Gubbens of Palo Alto, California, USA, have made a certain new and useful invention as set forth in the above-identified application for United States Letters Patent;

AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA 15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any previously or subsequently filed provisional applications, any subsequently filed applications and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

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Alexander Jozef Gubbens  
441 Channing Avenue  
Palo Alto, CA 94301  
USA

Date: 1/19/17

**DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION**

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18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment

WHEREAS I, Roice Joseph of Mountain House, California, USA, have made a certain new and  
useful invention as set forth in the above-identified application for United States Letters Patent;

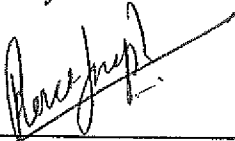
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---

Róice Joseph  
306 W. Piedmont Dr.  
Mountain House, CA 95391  
USA

Date: 01/19/2016

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Inventor Assignment

WHEREAS I, SanJay Parekh of Dublin, California, USA, have made a certain new and useful  
invention as set forth in the above-identified application for United States Letters Patent;

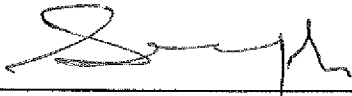
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SanJay Parekh  
3518 Saddlebrook Pl.  
Dublin, CA 94568  
USA

Date: 1/30/2017



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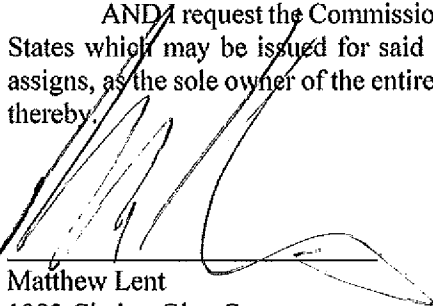
AND WHEREAS, Gatan, Inc. having an address of 780 Commonwealth Drive, Warrendale, PA 15086, USA, is desirous of acquiring the entire right, title and interest in and to said invention including any previously or subsequently filed provisional applications, any subsequently filed applications and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Gatan, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, any previously or subsequently filed provisional applications, any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or

transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Gatan, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.



Matthew Lent  
1983 Chalon Glen Ct.  
Livermore, CA 94550  
USA

Date: 1/24/17