503530906 10/20/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3577533

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 021792 Frame 0006. Assignor(s) hereby confirms the ASSIGNMENT.
RESUBMIT DOCUMENT ID:	503511323

CONVEYING PARTY DATA

Name	Execution Date
IONIC MASS SPECTROMETRY GROUP	09/28/2015

RECEIVING PARTY DATA

Name:	IONICS MASS SPECTROMETRY GROUP INC.
Street Address:	32 NIXON ROAD, UNIT 1
City:	BOLTON, ON
State/Country:	CANADA
Postal Code:	L7E 1W2

PROPERTY NUMBERS Total: 1

Property Type	Number	
Patent Number:	8080785	

CORRESPONDENCE DATA

Fax Number: (703)739-9889

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.

Phone: 7037399888

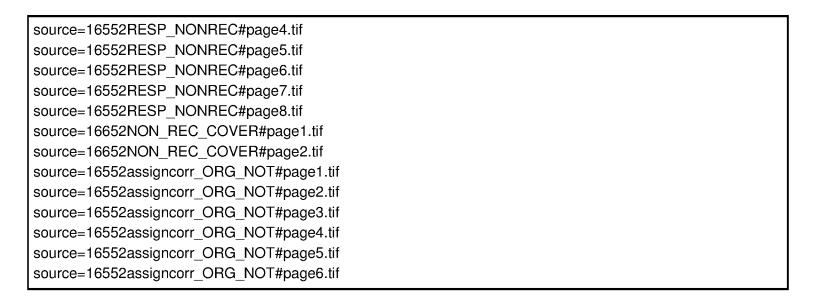
Email:dowell@dowellpc.comCorrespondent Name:DOWELL & DOWELL, P.C.Address Line 1:103 ORONOCO ST, SUITE 220Address Line 4:ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	16552
NAME OF SUBMITTER:	WENDY M. SLADE
SIGNATURE:	/WENDY M. SLADE/
DATE SIGNED:	10/20/2015

Total Attachments: 16

source=16552RESP_NONREC#page1.tif source=16552RESP_NONREC#page2.tif source=16552RESP_NONREC#page3.tif

PATENT 503530906 REEL: 036839 FRAME: 0020



USPTO 11/6/2008 7:00:27 PM PAGE 4/005 Fax Server

:DOWELL & DOWELL, P.C. COMPANY:2111 EISENHOWER AVE., SUITE 406

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1 11/05/2008 500696337

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gholamreza JAVAHERY	07/23/2008
Lisa COUSINS	07/22/2008
Charles JOLLIFFE	07/22/2008

RECEIVING PARTY DATA

Name:	IONIC MASS SPECTROMETRY GROUP
Street Address:	130-8 Bradwick Drive
City:	Concord, ON
State/Country:	CANADA
Postal Code:	L4H 2A6

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	60935997	
Application Number:	12230949	

CORRESPONDENCE DATA

Fax Number: (703)415-2559

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

Phone: 7034152555

Email: dowell@dowellpc.com
Correspondent Name: DOWELL & DOWELL, P.C.
Address Line 1: 2111 Eisenhower Ava., Suite 406
Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	16552
NAME OF SUBMITTER:	Ralph A. Dowell

Total Attachments: 3

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USPTO

11/6/2008 7:00:27 PM

PAGE

5/005 Fax Server

:DOWELL & DOWELL, P.C. COMPANY:2111 EISENHOWER AVE., SUITE 408

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PATENT

REEL: 036839 FRAME: 0023

RECORDATION FORM COVER SHEET PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of conveying party(ies) GHOLAMREZA JAVAHERY LISA COUSINS CHARLES JOLLIFFE	2. Name and address of receiving party(ies) Name: IONICS MASS SPECTROMETRY GROUP INC. Internal Address: Internal Address			
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) JULY 22, 2008	Street Address: 32 NIXON ROAD, UNIT 1			
Assignment Merger Security Agreement Change of Name Joint Research Agreement	City: BOLTON State: ONTARIO			
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: CANADA Zip: L7E 1W2			
Other CORRECTIVE ASSIGNMENT (SEE ATTACHED) 4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes No document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s) 8080785			
	ached? Yes No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: DOWELL & DOWELL				
Internal Address: Street Address: 103 ORONOCO STREET, SUITE 220	7. Total fee (37 CFR 1.21(h) & 3.41) \$ Authorized to be charged to deposit account Enclosed			
08000 1001030	None required (government interest not affecting title)			
City: ALEXANDRIA	8. Payment Information			
State: VIRGINIA Zip: 22314				
Phone Number: 703-739-9888				
Docket Number: 16552	Deposit Account Number			
Email Address: DOWELL@DOWELLPC.COM	Authorized User Name			
9. Signature: /WENDY M. SLADE/	OCT. 20, 2015			
Signature	Date			
WENDY M. SLADE Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 8			
Bocuments to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450				

The corrective assignment, as set out in the attached Declaration, is to correct the assignee name incorrectly listed as IONIC MASS SPECTROMETRY GROUP in the assignment and to correct the execution date of assignor Gholamreza Javahery that were previously recorded on Reel 021792 and Frame 0006. The assignor hereby confirms that the name of the assignee is IONICS MASS SPECTROMETRY GROUP INC. and the execution date of assignor Gholamreza Javahery is July 22, 2015.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.

: 8,080,785

Granted on

: December 20, 2011

Appl. No.

: 12/230,949

Title

HIGH PRESSURE COLLISION CELL FOR MASS

SPECTROMETER

I. Lisa Cousins, do declare and state:

I am an inventor of the above captioned patent (hereinafter "the Patent").

- I am a director of and Vice President, Research and Development for IONICS Mass Spectrometry Group Inc., a Canadian Federal Corporation with a registered office address of 32 Nixon Road, Unit 1, Bolton, Ontario, Canada (hereinafter "IONICS").
- As an inventor, I am a party to an assignment relating to the Patent, a copy of which is recorded
 against the Patent at Reel/Frame 21792-6 (hereinafter "the Assignment").
- 4. The Assignment purports to assign the Patent to IONIC MASS SPECTROMETRY GROUP.
- The Assignment gives the address of the assignee as 130-8 Bradwick Drive, Concord, ON, Canada ("the Concord address").
- 6. On information and belief, IONIC MASS SPECTROMETRY GROUP does not exist.
- 7. The office address of IONICS at the time of the assignment was the Concord address.
- On information and belief, the intention of all of the assignors in executing the Assignment was
 to execute an assignment in favor of IONICS.
- 9. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: Sept. 28 2015

Lisa Cousins

IONICS Mass Spectrometry Group Inc.

Witness

Name (prim) RITA DENTICO

FILE NO. 408-004-P

WORLDWIDE ASSIGNMENT

WE, Gholamreza JAVAHERY, Lisa COUSINS and Charles JOLLIFFE whose full post office addresses are: 4660 Aurora Road, RR #2, Kettleby, Ontario LOG 1J0, Canada, 9 Fontebella Avenue, Woodbridge, Ontario L4H 2A6, Canada and 93 Centre Street, RR #3. Schomberg, Ontario L0G 1T0, Canada, respectively, have invented "HIGH PRESSURE COLLISION CELL" for which the United States provisional patent application was filed:

Filing Date: September 10, 2007

Serial No. 60/935,997

in consideration of Two Dollars (\$2.00) paid to us, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration. WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to IONICS MASS SPECTROMETRY GROUP, whose full post office address is 130-8 Bradwick Drive, Concord, Ontario L4H 2A6, Canada, its successors and assigns or nominees, all OUR rights, title and interest in the United Sates, and all other countries of the world in and to OUR invention as fully described and claimed in the United States patent application, and WE sell, assign and transfer to IONICS MASS SPECTROMETRY GROUP, all OUR rights to apply for patent on said invention in the United States, and all other countries of the world including any and all divisions, continuations, continuation-in-part, re-examinations, renewals, reissues and/or extensions thereof. International PCT patent applications originating therefrom and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue therefor in the United States, and all other countries of the world.

AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of IONICS MASS SPECTROMETRY GROUP.

AND WE authorize HILL & SCHUMACHER, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the particulars of the signature and particulars of the Declaration when missing.

	32 Max 08 - 2-				
SIGNED AT (City/Town)	- Koller, an	thic	s J) davo	r Auih	2008
SIGNED AT (City/Town)	er reiwa				3.00000000000
Gholamréza JAVAHER					
	DECLARATION O	F WITN	ESS	·	
I. Rein Dented Tottinducio On Lix see Gholamreza JAVAF in the above assignment	<u>. ∖\</u> \	ire that i y known tha cam	was persor to me to be	hally present the person	t and did i named
DECLARED at (City/Tow	n) Collen, CN Lie 142	, this	(i) day of	julij	, 2008.
		ly ka			
······	(Signature c		ss}		
	32 North Pri Unit I Bolton, ON 135 1W2	, this	J.) day of		, 2008
Lisa COUSINS					
×.	DECLARATION OF				
ADENT FOR REAL AND A STATE OF THE STATE OF T	ho is personally knowr gn and execute the sai 32 kmpn Call this thi	are that i I to me t ne.	l was persor	nally presen son named	t and in the
	Theniero				

(Signature of Witness)

32 North Ca -3-	
SIGNED AT (City/Town) Vertical, CN	, this \mathcal{D} day of $\pi_{\mathrm{LL}\gamma}$, 2008
The same of the sa	
Charles JOLLIFFE	····
DECLARATION OF 1	WITNESS
I. Rith Danisco whose full pos	toffice address is S.C.N., C.,
<u>TOTAL MARINE ON LOCATIVO</u> , hereby declar	e that I was personally present and
did see Charles JOLLIFFE who is personally kno	wn to me to be the person named in
The above assignment duly sign and execute the same above assignment duly sign and execute the same above.	ame.
DECLARED at (City/Town) BOUTDING ON	this 30 day of Tally 2008
Lie iwa	and the second s
- Lining	8
(Signature of V	www.waanaanaanaanaanaanaanaanaanaanaanaanaan
touthermen me	assessment
32 Million Rd.	
SIGNED AT (City/Town) BULTUN, UN	this Daniel or ann
	, this M day of $T_{\rm GUCA}=$, 2008.
IONICS MASS SPECTROMETRY GROUP	
Name: 64 (corr) Title: Vi Recent Autori	
DECLARATION OF WI	TNESS
Lain Denicew	hose full nost office addrase
18 St McCardy Dr. Tothalvan Ch Laring h	ereby declare that I was personally
present and did see LISA COUSING of	IONICS MASS SPECTROMETRY
GROUP, who is personally known to me to be the p	person named in the above
assignment duly sign and execute the same.	
DECLARED AT (City/Town) BOX TON, ON	this (J) day of Tully 2008.
LTE 1W2	See Mill
(Cinnature of Wi	finana i



United States Patent And Trademark Office

Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office

October 16, 2015

PTAS

DOWELL & DOWELL, F.C. 103 ORONOCO ST, SUITE 220 ALEXANDRIA, VA 22314



503511323

United States Patent and Trademark Office Notice of Non-Recordation of an Assignment Document

The enclosed document has been examined and found non-recordable by the Assignment Recordation Branch of the U.S. Patent and Trademark Office. The reason(s) for non-recordation are stated below:

- 1. The document submitted to correct errors in the previously recorded document is not acceptable. To correct an error in the recorded document, you must file a new cover sheet stating the error and the nature of conveyance, attach the previously recorded cover sheet which contains the error and the supporting document and pay the recording fees as set forth in 37 C.F.R. §3.34.
- 2. refile online

Documents being resubmitted for recordation must reflect the corrected information to be recorded, the Document ID number referenced above and all pages from this submitted document. The original date of filing of this assignment document will be maintained if resubmitted with the appropriate correction(s) by Wednesday, December 16, 2015, as outlined under 37 CFR 3.51. The resubmitted document must include a stamp with the official date of receipt under 37 CFR 3. Applicants may use the certified procedures under 37 CFR 1.8 or 1.10 for resubmission of the returned papers if they desire to have the benefit of the date of deposit in the United States Postal Service.

To file the resubmission electronically, navigate to the EPAS website at http://epas.uspto.gov, click the Start Resubmission button and enter the following information:

Document ID: 503511323

Access Code: VZT9AINMG7INWMN

To file the resubmission in paper, send documents to: U.S. Patent and Trademark Office, Mail Stop: Assignment Recordation Branch, P.O. BOX 1450, Alexandria, VA 22313. If you have any questions regarding this notice, you may contact the Assignment Recordation Branch at 571-272-3350.

MARY BENTON
ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

P.O. Box 1460, Alexendrie, Virginia 22313-1460 - WWW.USPTO.GOV PATENT

REEL: 036839 FRAME: 0030

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3557949

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the NAME OF THE ASSIGNEE AS WELL AS AN UPDATE TO THE ADDRESS OF THE ASSIGNEE ARE INCLUDED previously recorded on Reel 021792 Frame 0006. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
IONIC MASS SPECTROMETRY GROUP	09/28/2015

RECEIVING PARTY DATA

Name:	IONICS MASS SPECTROMETRY GROUP INC.
Street Address:	32 NIXON ROAD, UNIT 1
City:	BOLTON, ON
State/Country:	CANADA
Postal Code:	L7E 1W2

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8080785

CORRESPONDENCE DATA

Fax Number: (703)739-9889

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.

7037399888 Phone:

Email: dowell@dowellpc.com DOWELL & DOWELL, P.C. Correspondent Name: Address Line 1: 103 ORONOCO ST, SUITE 220 Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	16552
NAME OF SUBMITTER:	WENDY M. SLADE
SIGNATURE:	/WENDY M. SLADE/
DATE SIGNED:	10/06/2015

Total Attachments: 4

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:
)
U.S. Patent No.: 8,080,785
Issued: December 20, 2011)
For: HIGH PRESSURE COLLISION CELL) FOR MASS SPECTROMETER)
Attorney Docket No. 16552
Commissioner for Patents Assignment Division
P.O. Box 1450
Alexandria VA 22313-1450
USA
Attention: Mary Benton
Assignment Recordation Branch
Public Records Division

Certificate of Transmission

I hereby certify that this correspondence is being electronically transmitted to the Patent and Trademark Office on October 20, 2015

Signature /WENDY M. SLADE/_

Wendy M. Slade

Typed or printed name of person signing this certificate

Dear Madam:

RESPONSE TO NOTICE OF NON-RECORDATION OF AN ASSIGNMENT DOCUMENT DOCUMENT ID NO.: 503511323

This is responsive to the enclosed Notice of Non-Recordation of an Assignment Document mailed October 16, 2015.

Patentee requests correction of an error naming IONIC MASS SPECTROMETRY GROUP as the assignee in an assignment executed by the inventors on July 22, 2008, and recorded on November 5, 2008 at Reel/Frame 21792-6.

U.S. Patent No. 8,080,785 - Page 2 -

Response to Notice of Non-Recordation of an Assignment Document mailed October 16, 2015

In accordance with the procedure set out in MPEP § 323.01(b), attached please find:

1. A declaration of Lisa Cousins dated September 28, 2015 identifying the error in

naming the assignee in the aforementioned assignment document;

2. Copies of

a. prior recorded assignment document containing the error, and

b. the previously submitted cover sheet for that earlier recordation; and

3. A new cover sheet reflecting the requested correction.

Patentee also notes the correct execution date for assignor Gholamreza Javahery is July 22,

2008 as set out on the new cover sheet attached hereto.

Respectfully submitted,

DOWELL & DOWELL, P.C.

__/WENDY M. SLADE/_

Wendy M. Slade Registration No. 53,604

Suite 220 103 Oronoco Street Alexandria, VA 22314

Tel.: 703-739-9888 Fax: 703-739-9889

Date: October 20, 2015

MZ/NLP/hnn 93317-48 OWELL & DOWELL, P.C. COMPANY: 2111 EISENHOWER AVE., SUITE 406

FILE COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

500696337A

NOVEMBER 06, 2008

PTAS

DOWELL & DOWELL, P.C. 2111 EISENHOWER AVE., SUITE 406 ALEXANDRIA, VA 22314

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 11/05/2008

REEL/FRAME: 021792/0006

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 16552

ASSIGNOR:

JAVAHERY, GHOLAMREZA

DOC DATE: 07/23/2008

ASSIGNOR:

COUSINS, LISA

DOC DATE: 07/22/2008

ASSIGNOR:

JOLLIFFE, CHARLES

DOC DATE: 07/22/2008

ASSIGNEE: Lonics

130-8 BRADWICK DRIVE

CONCORD, ON, CANADA L4H 2A6

SERIAL NUMBER: 60935997

FILING DATE: 09

PATENT NUMBER:

TITLE: HIGH PRESSURE COLLISION CELL

ISSUE DATE:

DECEIVE MOV - 7 30033 DOWELL & DOWELL, P.C.

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspro.eov

USPTO 11/6/2008 7:00:27 PM PAGE 3/005 Fax Server

:DOWELL & DOWELL, P.C. COMPANY:2111 EISENHOWER AVE., SUITE 406

021792/0006 PAGE 2

SERIAL NUMBER: 12230949

FILING DATE: 09/08/2008

PATENT NUMBER: ISSUE DATE:

TITLE: HIGH PRESSURE COLLISION CELL FOR MASS SPECTROMETER

ASSIGNMENT SERVICES BRANCH PUBLIC RECORDS DIVISION

FILE NO. 408-004-P

WORLDWIDE ASSIGNMENT

WE,, Gholamreza JAVAHERY, Lisa COUSINS and Charles JOLLIFFE whose full post office addresses are; 4660 Aurora Road, RR #2, Kettleby, Ontario L0G 1J0, Canada, 9 Fontebella Avenue, Woodbridge, Ontario L4H 2A6, Canada and 93 Centre Street, RR #3, Schomberg, Ontario L0G 1T0, Canada, respectively, have invented "HIGH PRESSURE COLLISION CELL" for which the United States provisional patent application was filed;

Filing Date: September 10, 2007 Serial No. 60/935,997

in consideration of Two Dollars (\$2.00) paid to us, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to IONICS MASS SPECTROMETRY GROUP, whose full post office address is 130-8 Bradwick Drive, Concord, Ontario L4H 2A6, Canada, its successors and assigns or nominees, all OUR rights, title and interest in the United Sates, and all other countries of the world in and to OUR invention as fully described and claimed in the United States patent application, and WE sell, assign and transfer to IONICS MASS SPECTROMETRY GROUP, all OUR rights to apply for patent on said invention in the United States, and all other countries of the world including any and all divisions, continuations, continuation-in-part, re-examinations, renewals, reissues and/or extensions thereof, International PCT patent applications originating therefrom and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue therefor in the United States, and all other countries of the

AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of IONICS MASS SPECTROMETRY GROUP.

AND WE authorize HILL & SCHUMACHER, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the narticulars of the signature and particulars of the Declaration when missing.

> **PATENT** REEL: 036839 FRAME: 0036

RECORDED: 10/06/2015