

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Applied Biosystems (Canada) Limited	01/29/2010

RECEIVING PARTY DATA

Name:	DH Technologies Development Pte. Ltd.
Street Address:	80 Raffles Place
Internal Address:	#25-01 UOB Plaza
City:	Singapore
State/Country:	SINGAPORE
Postal Code:	048624

PROPERTY NUMBERS Total: 76

Property Type	Number
Patent Number:	6784422
Patent Number:	7009174
Patent Number:	7019290
Patent Number:	7049580
Patent Number:	7227130
Patent Number:	7256395
Patent Number:	7259371
Patent Number:	7288761
Patent Number:	7317187
Patent Number:	7351956
Patent Number:	7356418
Patent Number:	7365319
Patent Number:	7391015
Patent Number:	7417223

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Application Number:	12362831
Application Number:	12359563
Application Number:	12232618
Application Number:	12359621
Application Number:	12359471
Application Number:	12099745
Application Number:	12411140
Application Number:	12208277
Application Number:	12476141
Application Number:	12476133
Application Number:	11447785
Application Number:	11580221
Application Number:	11777248
Application Number:	60572490
Application Number:	61025139
Application Number:	61223542
Application Number:	61101862
Application Number:	61120674
Application Number:	61152376
Application Number:	61160925
Application Number:	61239954
Application Number:	61250142
Application Number:	61223201
Application Number:	11434814
Application Number:	11552763
Application Number:	11622064
Application Number:	11769254
Application Number:	11779970
Application Number:	11558952
Application Number:	11567281
Application Number:	11689742
Application Number:	11680196
Application Number:	11703756
Application Number:	12362796
Application Number:	11774807

Application Number:	11620061
Application Number:	12016282
Application Number:	11672101
Application Number:	11778954
Application Number:	12023873
Application Number:	11860899
Application Number:	11839081
Application Number:	11848717
Application Number:	12285024
Application Number:	11743176
Application Number:	11842251
Application Number:	12034097
Application Number:	12326241
Application Number:	12402954
Application Number:	12254244
Application Number:	12240060
Application Number:	12257597
Application Number:	12032263
Application Number:	12035499
Application Number:	12272998
Application Number:	12555604
Application Number:	12569357
Application Number:	12102537
Application Number:	12480160
Application Number:	12200636
Application Number:	12474418
Application Number:	12573080

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AB/JV PATENT ASSIGN (HS)
NAME OF SUBMITTER:	Hayley Smith
<p>Total Attachments: 23</p> <p>source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page1.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page2.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page3.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page4.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page5.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page6.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page7.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page8.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page9.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page10.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page11.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page12.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page13.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page14.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page15.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page16.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page17.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page18.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page19.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page20.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page21.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page22.tif source=Morton_Jarvis - (AB Canada) Patent Assignment (Execution Copy) - SCANNED#page23.tif</p>	

EXECUTION VERSION

PATENT ASSIGNMENT

This **PATENT ASSIGNMENT** (the "Patent Assignment"), effective as of January 29, 2010 (the "Effective Date"), is made by Applied Biosystems (Canada) Limited, a corporation existing under the laws of Canada, with a registered office address at 1 Place Ville Marie 37th Floor, City of Montreal, Quebec, Canada, H3B3P4 ("Assignor") in favor of DH Technologies Development Pte. Ltd., a limited liability company organized under the laws of Singapore, with a registered address at 80 Raffles Place #25-01, UOB Plaza, Singapore (048624) ("Assignee").

WHEREAS, AB Sciex Sales, LP, AB Sciex Pte. Ltd. and Assignee, on the one hand, and Assignor, on the other hand, have entered into that certain Business Transfer Agreement, dated January 29, 2010 (the "Canadian BTA"), pursuant to which Assignor sells, assigns, transfers, conveys, and delivers to Assignee all of Assignor's right, title, and interest in and to certain assets, including, without limitation, the Assigned Patents (defined below).

WHEREAS, the Canadian BTA and this Patent Assignment are entered into in furtherance of facilitating the transaction contemplated by that certain Stock and Asset Purchase Agreement, dated September 2, 2009, by and among Life Technologies Corporation, Danaher Corporation and Assignee (the "Purchase Agreement").

NOW, THEREFORE, in consideration of the promises and covenants set forth in the Purchase Agreement and the Canadian BTA and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. Conveyance. Assignor does hereby sell, assign, transfer, convey, and deliver to Assignee, free and clear of Encumbrances, other than Permitted Encumbrances, (as such terms are defined in the Purchase Agreement), all of Assignor's right, title and interest in, to and under the issued patents and patent applications listed on Schedule A (collectively, the "Assigned Patents"), including all reissues, divisions, continuations, continuations-in-part, revisions, reexaminations and extensions thereof, together with all rights to collect royalties, products and proceeds in connection with any of the foregoing, and all rights to sue and bring other claims for past, present and future infringement, misappropriation or other violation of any of the foregoing and all rights to recover damages (including attorney's fees and expenses) or lost profits in connection therewith.

2. Recordation. Assignor hereby requests the United States Patent and Trademark Office Commissioner for Patents and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar), to record Assignee as the assignee and owner of the Assigned Patents.

EXECUTION VERSION

3. Information and Assistance. Upon Assignee's request, Assignor shall execute, acknowledge and deliver all such other instruments and documents and shall take all such other actions required to consummate and make fully effective the transaction contemplated by this Patent Assignment; provided that Assignee shall not be required to pay any further consideration or amounts therefor.

4. Successors and Assigns. This Patent Assignment and all the provisions hereof shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and permitted assigns and nothing herein express or implied shall give or be construed to give to any person, other than the parties hereto and such permitted assigns, any legal or equitable rights hereunder.

5. Counterparts. This Patent Assignment may be executed in two or more consecutive counterparts (including by facsimile), each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, and shall become effective when one or more counterparts have been signed by each of the parties and delivered (by facsimile or otherwise) to the other parties.

6. Section Headings. The section headings contained in this Patent Assignment are for reference purposes only, and shall not in any way affect the meaning or interpretation of this Patent Assignment.

7. Purchase Agreement Controls. This Patent Assignment is provided pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignor and Assignee with respect to the Assigned Patents. Nothing contained in this Patent Assignment shall be deemed to modify, supersede, enlarge or affect the rights of any person under the Purchase Agreement. If any provision of this Patent Assignment is inconsistent or conflicts with the Purchase Agreement, the Purchase Agreement shall control.

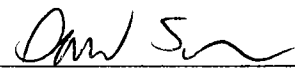
8. Governing Law. This Patent Assignment and all claims or causes of action (whether in contract, tort or otherwise) that may be based upon, arise out of or relate to this Patent Assignment or the negotiation, execution or performance of this Patent Assignment shall be governed by and construed in accordance with the internal laws of the State of New York, without giving effect to any choice or conflict of law provision or rule (other than Sections 5-1401 and 5-1402 of the New York General Obligations Law).

[Signature Page Follows]

IN WITNESS WHEREOF, the undersigned have caused this Patent Assignment to be executed as of the date first above written.

ASSIGNOR:

Applied Biosystems (Canada) Limited

By: 
Name: _____
Title: _____

Acknowledged and Accepted:

ASSIGNEE:

DH Technologies Development Pte. Ltd.

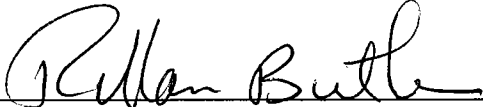
By: _____
Name: _____
Title: _____

[Signature Page to Applied Biosystems (Canada) Limited – DH Technologies Development Pte. Ltd. Patent Assignment]

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF NEW YORK : ss.:
CITY/COUNTY OF NEW YORK)

I, **Rillan Butler**, the undersigned Notary Public do hereby certify that **David Szekeres**, as **Senior Corporate Counsel** of Applied Biosystems (Canada) Limited, a corporation existing under the laws of Canada, who signed the foregoing Assignment document, was authorized on the 26th day of January 2010, to execute the foregoing Assignment document on behalf of Applied Biosystems (Canada) Limited, and to me acknowledged that he/she did sign the said document.



Notary Public

RILLAN BUTLER
NOTARY PUBLIC, State of New York
No. 01BU6149066
Qualified in Kings County
Commission Expires July 3, 2010

IN WITNESS WHEREOF, the undersigned have caused this Patent Assignment to be executed as of the date first above written.

ASSIGNOR:

Applied Biosystems (Canada) Limited

By: _____

Name:

Title:

Acknowledged and Accepted:

DH Technologies Development Pte. Ltd.

By: *Frank T. McFaden*

Name: Frank T. McFaden

Title: Director

[Signature page to Applied Biosystems (Canada) Limited – DH Technologies Development Pte. Ltd. Patent Assignment.]

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF District of Columbia : ss.:)
CITY/COUNTY OF _____)

I, Janice A. Tyler, the undersigned Notary Public do hereby certify that Frank T. McFaden, as Director of DH Technologies Development Pte. Ltd., a limited liability company organized under the laws of Singapore, who signed the foregoing Assignment document, was authorized on the 26 day of January 2010, to execute the foregoing Assignment document on behalf of DH Technologies Development Pte. Ltd., and to me acknowledged that he/she did sign the said document.

Janice A. Tyler
Notary Public

Janice A. Tyler
Notary Public, District of Columbia
My Commission Expires 3/11/2013

District of Columbia
Office of the Notary Public
Notary Public
on the 26 day of January, 2010
Janice A. Tyler
Notary Public

SCHEDULE A TO PATENT ASSIGNMENT

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
Improved Ion Selection in Pseudo Neutral Loss Scan	Utility (Regular)	US	11/260,222	10/28/2005	7,417,223	8/26/2008
Improved Ion Selection in Pseudo Neutral Loss Scan	Nationalized PCT	CA	2,629,746	8/16/2006		-N/A
Improved Ion Selection in Pseudo Neutral Loss Scan	Nationalized PCT	JP	2008-536888	8/16/2006		-N/A
Improved Ion Selection in Pseudo Neutral Loss Scan	Nationalized PCT	EU	06775115.6	8/16/2006		-N/A
A Method of Reducing Space Charge in a Linear Ion Trap Mass Spectrometer	Nationalized PCT	CA	2,457,631	8/14/2002		-N/A
QUADRUPOLE MASS FILTERS WITH ADDED HEXAPOLE FIELDS	Nationalized PCT	CA	2,539,221	9/1/2004		-N/A
QUADRUPOLE MASS FILTERS WITH ADDED HEXAPOLE FIELDS	Nationalized PCT	JP	2006-527232	9/1/2004		-N/A
METHOD AND APPARATUS FOR PROVIDING TWO-DIMENSIONAL SUBSTANTIALLY QUADRUPOLE FIELDS HAVING SELECTED HEXAPOLE COMPONENTS	Nationalized PCT	EU	04761772.5	9/1/2004		-N/A
Parallel Sample Introduction Electropray Mass	Nationalized PCT	AU	24954/01	12/14/2000	777133	2/17/2005

Patent Title	Type	Ctry	Serial No.	Filed Dt	Patent No.	Issued Dt
Spectrometer with Electronic Indexing Through Multiple Ion Entrance Orifices						
Parallel sample introduction electrospray mass spectrometer with electronic indexing through multiple ion entrance orifices	Nationalized PCT	US	10/148,888	12/14/2000	6,784,422	8/31/2004
Parallel Sample Introduction Electrospray Mass Spectrometer with Electronic Indexing Through Multiple Ion Entrance Orifices	Nationalized PCT	CA	2,394,583	12/14/2000		-N/A
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	Utility (Regular)	US	10/819,954	4/8/2004	7,009,174	3/7/2006
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	Nationalized PCT	CA	2,518,568	4/8/2004		-N/A
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	Nationalized PCT	JP	2006-504106	10/7/2005		-N/A
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	European Nationalized PCT	EU	04726409.8	4/8/2004	1611595	10/18/2006
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	European	GB	047264098	4/8/2004	1611595	10/18/2006

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
Independent Data Acquisition (IDA) on QTRAP (VIRUS)						
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	European	FR	047264098	4/8/2004	1611595	10/18/2006
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	European	DE	047264098	4/8/2004	602004022856.8-08	10/18/2006
DYNAMIC BACKGROUND SIGNAL EXCLUSION IN CHROMATOGRAPHY / MASS SPECTROMETRY DATA-DEPENDENT DATA ACQUISITION	Continuation in Part (CIP)	US	11/334,435	1/19/2006	7,351,956	4/1/2008
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	European Nationalized PCT	EU	06752779.6	6/8/2006		-N/A
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	Nationalized PCT	CA	2,611,183	6/8/2006		-N/A
Dynamic Background Subtraction (DBS) for Independent Data Acquisition (IDA) on QTRAP (VIRUS)	Nationalized PCT	JP	2008-515014	6/8/2006		-N/A
Fragmentation of Ions By Resonant Excitation In A High Order Multipole Field, Low	Utility (Regular)	US	10/310,003	12/4/2002	7,049,580	5/23/2006

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
Pressure Ion Trap (LIT) (Virus)						
Fragmentation of Ions By Resonant Excitation In A High Order Multipole Field, Low Pressure Ion Trap (LIT) (Virus)	Nationalized PCT	CA	2,481,081	4/2/2003		-N/A
Fragmentation of Ions By Resonant Excitation In A High Order Multipole Field, Low Pressure Ion Trap (LIT) (Virus)	Nationalized PCT	EU	03709515.5	4/2/2003		-N/A
Fragmentation of Ions By Resonant Excitation In A High Order Multipole Field, Low Pressure Ion Trap (LIT) (Virus)	Nationalized PCT	JP	2003-585140	4/2/2003		-N/A
Particle Discriminator for Atmospheric Pressure Interface	Continuation	US	11/447,785	6/7/2006		-N/A
Method and Apparatus for Mass Selective Axial Transport Using Quadrupole DC	Utility (Regular)	US	11/434,814	5/17/2006		-N/A
Method and Apparatus for Mass Selective Axial Transport Using Quadrupole DC	Nationalized PCT	CA	2,608,972	5/17/2006		-N/A
Method and Apparatus for Mass Selective Axial Transport Using Quadrupole DC	Nationalized PCT	EU	06741514.1	5/17/2006		-N/A
System and Method for	Utility (Regular)	US	10/448,376	5/30/2003	7,019,290	3/28/2006

Patent Title	Type	Ctry	Serial No.	Filed Dt	Patent No.	Issued Dt
Modifying the Fringing Fields of a Radio Frequency Multipole						
Method for Modification of the Fringing Fields of a Radio Frequency Multipole	Nationalized PCT	CA	2,524,003	5/7/2004		-N/A
Method for Modification of the Fringing Fields of a Radio Frequency Multipole	Nationalized PCT	EU	04731562.7	-N/A		-N/A
Method for Modification of the Fringing Fields of a Radio Frequency Multipole	Nationalized PCT	JP	2006-508086	-N/A		-N/A
Capillary Scale Frontal Affinity	Continuation in Part (CIP)	US	11/135,490	5/24/2005	7,317,187	1/8/2008
A high throughput, highly sensitive method of performing high throughput screening of biomolecular interactions utilizing mass spectrometry	Nationalized PCT	CA	2,566,815	5/24/2005		-N/A
A high throughput, highly sensitive method of performing high throughput screening of biomolecular interactions utilizing mass spectrometry	Nationalized PCT	EU	05748644.1	5/24/2005		-N/A
A high throughput, highly sensitive method of performing high throughput screening of biomolecular interactions utilizing mass spectrometry	Nationalized PCT	JP	2007-516919	5/24/2005		-N/A
Method and System for providing barrier fields at the	Provisional	US	60/572,490	5/20/2004		-N/A

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
entrance and exit end of a mass spectrometer						
Method for providing barrier fields at the entrance and exit end of a mass spectrometer	Utility (Regular)	US	11/133,325	5/20/2005	7,227,130	6/5/2007
Method for providing barrier fields at the entrance and exit end of a mass spectrometer	Nationalized PCT	CA	2,565,909	5/20/2005		-N/A
Method for providing barrier fields at the entrance and exit end of a mass spectrometer	Nationalized PCT	EU	05748700.1	5/20/2005		-N/A
Method for providing barrier fields at the entrance and exit end of a mass spectrometer	Nationalized PCT	JP	2007-516918	5/20/2005		-N/A
Method for providing barrier fields at the entrance and exit end of a mass spectrometer	Continuation	US	11/477,449	6/30/2006	7,365,319	4/29/2008
Tilted Rod Linear Ion Trap	Utility (Regular)	US	11/135,426	5/24/2005	7,288,761	10/30/2007
System and Method for Trapping Ions	Nationalized PCT	CA	2,557,679	5/24/2005		-N/A
Tilted Rod Linear Ion Trap	Nationalized PCT	EU	05748793.6	5/24/2005		-N/A
Tilted Rod Linear Ion Trap	Nationalized PCT	JP	2007-513630	5/24/2005		-N/A
Axial ejection with AC barrier	Nationalized PCT	CA	2,565,677	5/5/2005		-N/A
Axial ejection with AC barrier	Nationalized PCT	EU	05742603.3	5/5/2005		-N/A
Axial ejection with AC barrier	Nationalized PCT	JP	2007-511801	5/5/2005		-N/A
Method and Apparatus for Improved Sensitivity in a Mass Spectrometer System	Utility (Regular)	US	11/032,376	1/10/2005	7,256,395	8/14/2007

Patent Title	Type	Chry	Serial No.	Filed Dt	Patent No.	Issued Dt
Method for Scanning an Ion Trap Mass Spectrometer	Utility (Regular)	US	11/552,763	10/25/2006		-N/A
Method and Apparatus for Scanning an Ion Trap Mass Spectrometer	Nationalized PCT	EU	06790846.7	10/12/2006		-N/A
Method and Apparatus for Scanning an Ion Trap Mass Spectrometer		JP	2009-516841	10/25/2006		-N/A
Fragmenting Ions In Mass Spectrometry	Utility (Regular)	US	11/622,064	1/11/2007		-N/A
Fragmenting Ions In Mass Spectrometry	Nationalized PCT	EU	07701681.4	1/11/2007		-N/A
Fragmenting Ions In Mass Spectrometry		JP	2008-549730	1/11/2007		-N/A
Fragmenting Ions In Mass Spectrometry		CA	2,636,822	1/11/2007		-N/A
Method for Storing and Reacting Ions in a Mass Spectrometer	Utility (Regular)	US	11/769,254	6/27/2007		-N/A
Method for Storing and Reacting Ions in a Mass Spectrometer	Nationalized PCT	European	7763829.4	2007/06/28 (Int'l Filing Date)		
Method for Storing and Reacting Ions in a Mass Spectrometer Method of Operating a Mass Spectrometer to Provide Resonant	Nationalized PCT	Canada	2,652,824	2007/06/28 (Int'l Filing Date)		
Dynamic pixel tissue imaging	Utility (Regular)	US	11/779,970	7/19/2007		-N/A

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
with MALDI-qTOF						
Dynamic pixel tissue imaging with MALDI		CA	2,655,612	7/19/2007		-N/A
Dynamic pixel tissue imaging with MALDI		EU	07784956.0	7/19/2007		-N/A
Method and Apparatus for Mass Selective Axial Transport Using Pulsed Axial Field	Utility (Regular)	US	11/558,952	11/13/2006		-N/A
Method and Apparatus for Mass Selective Axial Transport Using Pulsed Axial Field	Nationalized PCT	CA	2,626,089	10/12/2006		-N/A
Linear ion trap for precursor ion multiplexing	Nationalized PCT	EU	06790847.5	10/12/2006		-N/A
Automated Analysis of Complex Matrices Using Mass Spectrometer	Nationalized PCT	CA	2,631,218	12/7/2006		-N/A
Automated Analysis of Complex Matrices Using Mass Spectrometer	Nationalized PCT	EU	06828156.7	12/7/2006		-N/A
Automated Analysis of Complex Matrices Using Mass Spectrometer	Utility (Regular)	US	11/567,281	12/6/2006		-N/A
Ion trap for positive and negative ions.	Utility (Regular)	US	11/689,742	3/23/2007		-N/A
Method and Apparatus for Reducing Contamination in a Mass Spectrometer	Utility (Regular)	US	11,680,196	2/28/2007		-N/A

Patent Title	Type	City	Serial No.	Filed Dt	Patent No.	Issued Dt
System and Method for Data Collection in Recursive Mass Analysis	Nationalized PCT	CA	2,611,068	6/2/2006		-N/A
System and Method for Data Collection in Recursive Mass Analysis	Nationalized PCT	JP	2008-513885	6/2/2006		-N/A
System and Method for Data Collection in Recursive Mass Analysis	Nationalized PCT	EU	06752757.2	6/2/2006		-N/A
Scan Time Data Pre-organization for Fast Post Scan Processing and Archival	Utility (Regular)	US	11/421,854	6/2/2006	7,391,015	6/24/2008
Ion Guide to Focus Ions from Free Jet	Continuation in Part (CIP)	US		-N/A		-N/A
Radio Frequency Ion Guide	Utility (Regular)	US	11/703,756	2/8/2007		-N/A
Radio Frequency Ion Guide	Nationalized PCT	EU	07701774.7	2/8/2007		-N/A
Radio Frequency Ion Guide		JP	2008-553584	2/8/2007		-N/A
High-throughput Screening of Metabolic Disorders Using A Laser Desorption Ion Source Coupled To A Mass Analyzer	Utility (Regular)	US	12/362,796	1/30/2009		-N/A
High-throughput Screening of Metabolic Disorders Using A Laser Desorption Ion Source Coupled To A Mass Analyzer	PCT	PC	PCT/CA2009/000126	1/30/2009		-N/A
Multiple Ion Guides for Improved Ion Sampling Efficiency	Continuation in Part (CIP)	US	11/315,788	12/22/2005	7,259,371	8/21/2007
Multiple Ion Guides for	Nationalized PCT	EU	06717665.1	1/5/2006		-N/A

Patent Title	Type	City	Serial No.	Filed Dt	Patent No.	Issued Dt
Improved Ion Sampling Efficiency						
Confining Ions with Fast Oscillating Electric Fields	Utility (Regular)	US	11/774,807	7/9/2007		-N/A
Mass Defect Triggered Information Dependent Acquisition	Utility (Regular)	US	11/620,061	1/5/2007		-N/A
Mass Defect Triggered Information Dependent Acquisition	Nationalized PCT	EU	07701641.8	1/4/2007		-N/A
Ion Fragmentation in Mass Spectrometry		US	12/362,831	1/30/2009		-N/A
Apparatus And Method For Cooling Ions	Utility (Regular)	US	12/016,282	1/18/2008		-N/A
Apparatus and Method for Cooling Ions	PCT	PC	PCT/CA2008/000094	1/18/2008		-N/A
Ion source with collisional cooling		EU	08706242.8	1/18/2008		-N/A
Apparatus and Method for Cooling Ions		CA	2,673,403	1/18/2008		-N/A
Chemical Noise Reduction For Mass Spectrometry	Utility (Regular)	US	11/672,101	2/7/2007		-N/A
Laser Desorption Ion Source with Ion Guide Coupling for Ion Mass Spectroscopy	Nationalized PCT	CA	2,629,011	12/19/2006		-N/A
MALDI with multipoles	Nationalized PCT	EU	06845935.3	12/19/2006		-N/A
Resonant excitation ion transfer	Utility (Regular)	US	11/778,954	7/17/2007		-N/A

Patent Title	Type	City	Serial No.	Filed Dt	Patent No.	Issued Dt
Method of Operating a Mass Spectrometer to Provide Resonant Excitation Ion Transfer	Nationalized PCT	European	7800421.5	2007/07/17 (Int'l Filing Date)		
Method of Operating a Mass Spectrometer to Provide Resonant Excitation Ion Transfer	Nationalized PCT	Canada	2,654,253	2007/07/17 (Int'l Filing Date)		
Methods for cooling ions in a linear ion trap	Provisional	US	61/025,139	1/31/2008		-N/A
Methods for cooling ions in a linear ion trap		US	12/359,563	1/26/2009		-N/A
Collision Cell for Mass Spectrometer		US	12/232,618	9/19/2008		-N/A
Collision Cell for Mass Spectrometer		PC	PCT/CA2008001654	09/19/2008		
SYSTEMS AND METHODS FOR REDUCING NOISE FROM MASS SPECTRA	Utility (Regular)	US	12/023,873	1/31/2008		-N/A
SYSTEMS AND METHODS FOR REDUCING NOISE FROM MASS SPECTRA	CIP	US	12/626,737	11/27/2009		-N/A
Method for removing noise from mass spectra		EU	08706346.7	1/31/2008		-N/A
SYSTEMS AND METHODS FOR REDUCING NOISE FROM MASS SPECTRA		CA	2,675,830	1/30/2008		
MULTIPLE SAMPLE	Utility (Regular)	US	11/860,899	9/25/2007		-N/A

Patent Title	Type	Ctry	Serial No.	Filed Dt	Patent No.	Issued Dt
SOURCES FOR USE WITH MASS SPECTROMETERS, AND APPARATUS, DEVICES, AND METHODS THEREFOR						
Multiple sample sources for use with mass spectrometers and apparatus, devices, and methods therefor		CA	2,663,698	9/25/2007		-N/A
Multiple sample sources for use with mass spectrometers, and apparatus, devices and methods therefo		EU	07815905.0	9/25/2007		-N/A
Methods for Fragmenting Ions in a Linear Ion Trap		PC	PCT/CA2009/000090	1/26/2009		-N/A
Methods for Fragmenting Ions in a Linear Ion Trap		US	12/359,621	1/26/2009		-N/A
Method of Operating a Linear Ion Trap to Provide Low Pressure Short Time High Amplitude Excitation		US	12/359,471	1/26/2009		-N/A
Method of Operating a Linear Ion Trap to Provide Low Pressure Short Time High Amplitude Excitation		PC	PCT/CA2009/000087	01/26/2009		
Method for Axial Ejection and In-Trap Fragmentation Using Auxiliary Electrodes in a Multipole Mass Spectrometer	Utility (Regular)	US	11/839,081	8/15/2007		-N/A
Method for Axial Ejection and In-Trap Fragmentation Using		CA	2,660,335	8/2/2007		-N/A

Patent Title	Type	City	Serial No.	Filed Dt	Patent No.	Issued Dt
Auxiliary Electrodes in a Multipole Mass Spectrometer						
Axial Ejection and In-Trap Fragmentation Using Auxiliary Electrodes in a Multipole Mass Spectrometer		EU	07785024.6	8/2/2007		-N/A
METHODS FOR DATA PROCESSING	Utility (Regular)	US	11/848,717	8/31/2007		-N/A
LC/MS/MS Analysis of Conjugated Metabolites of Alcohol Consumption	Utility (Regular)	US	12/285,024	09/29/2008		
LC/MS/MS Analysis of Conjugated Metabolites of Alcohol Consumption	PCT	PC	PCT/CA2008/001728	09/29/2008		
Multipole Mass Filter Having Improved Mass Resolution	Utility (Regular)	US	11/743,176	5/2/2007		-N/A
Multipole Mass Filter having Improved Mass Resolution	PCT	PC	PCT/US2008/005501	4/29/2008		-N/A
Method for Enhancing Mass Assignment Accuracy	Utility (Regular)	US	11/842,251	8/21/2007		-N/A
Method for Enhancing Mass Assignment Accuracy	PCT	PC	PCT/CA2007/001459	8/21/2007		-N/A
Method for Enhancing the Duty Cycle of an Ion Trap Mass Spectrometer	Utility (Regular)	US	12/034,097	2/20/2008		-N/A
Systems and Method of Analyzing Substances Using a Mass Spectrometer	Utility (Regular)	US	12/326,241	03/05/2009		

Patent Title	Type	Ctry	Serial No.	Filed Dt	Patent No.	Issued Dt
Systems and Methods for Analyzing Substances Using a Mass Spectrometer	Utility (Regular)	US	12/402,954	03/12/2009		
Systems and Methods for Analyzing Substances Using a Mass Spectrometer	PCT	PC	PCT/CA2009/000310	03/12/2009		
Interface between DMA and mass spectrometer	Utility (Regular)	US	12/254,244	10/20/2008		
High resolution excitation/isolation of ions in a low pressure linear ion trap	Utility (Regular)	US	12/240,060	09/29/2008		
High resolution excitation/isolation of ions in a low pressure linear ion trap	PCT	PC	PCT/US2008/011309	09/30/2009		
Apparatus and Method for Operating a Differential Mobility Analyzer with a Mass Spectrometer	Utility (Regular)	US	12/257,597	11/21/2008		
Method of Quantitation by Mass Spectrometry	Utility (Regular)	US	12/032,263	2/15/2008		-N/A
Method of Quantitation by Mass Spectrometry	PCT	PC	PCT/US2009/34213	02/16/2009		
Method of Improving Signal-to-Noise for Quantitation by Mass Spectrometry	Utility (Regular)	US	12/035,499	2/22/2008		-N/A
Method of Improving Signal-to-Noise for Quantitation by Mass Spectrometry	PCT	PC	PCT/US2009/34430	02/18/2009		
Method and Apparatus for	Utility (Regular)	US	12/272,998	11/18/2009		

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Reducing Space Charge in an Ion Trap						
Method and Apparatus for Reducing Space Charge in an Ion Trap	PCT	PC	PCT/US2008/012910	11/19/2009		
Targeted Ion-Parking for Quantitation	PCT	PCT	PCT/US2009/056420	9/9/2009		
Targeted Ion-Parking for Quantitation	Utility (Regular)	US	12/555,604	9/9/2009		
Methods and Apparatus for Mass Spectrometry with High Sample Utilization	Provisional	US	61/223,542	7/7/09		
Method, System and Apparatus for Multiplexing Ions in MSn Mass Spectrometry	Provisional	US	61/101,862	10/1/2008		
Method, System and Apparatus for Multiplexing Ions in MSn Mass Spectrometry	Utility (Regular)	US	12/569,357	9/29/2009		
Method, System and Apparatus for Multiplexing Ions in MSn Mass Spectrometry	PCT	PC	PCT/CA2009/001369	9/29/2009		
Relative Noise	Utility (Regular)	US	12/102,537	4/14/2008		-N/A
Method of Operating Tandem Ion Traps	Utility (Regular)	US	12/480,160	6/8/09		
Method of Operating Tandem Ion Traps	Provisional	US	61/120,674	12/8/2008		
Apparatus and Method of Photo-fragmentation	Provisional	US	61/152,376	2/13/2009		

Patent Title	Type	Ctry	Serial No.	Filed Dt	Patent No.	Issued Dt
Ion Optics Drain for Ion Mobility	Provisional	US	61/160,925	3/17/2009		
Method for Identifying a Convolved Peak	Utility (Regular)	US	12/200,636	8/28/2008		
Method for Processing Large Amounts of Data	Utility (Regular)	US	12/474,418	5/29/2009		
Method, System and Apparatus for Filtering Ions in a Mass Spectrometer	Provisional	US	61/239,954	9/4/2009		
Apparatus for Measuring RF Voltage from a Quadrupole in a Mass Spectrometer	Provisional	US	61/250,142	10/9/2009		
Maintaining the Precision of Mass Measurement	Utility (Regular)	US	12/573,080	10/2/2009		
Maintaining the Precision of Mass Measurement	PCT	PC	PCT/US2009/059564	10/5/2009		
Nonlinear RF Ion Trap	Provisional	US	61/223,201 Correct	7/6/2009		
Scientist Domain-Centric User Interface and Enabling "Soft" Translation		US	11/480214	06/30/2006	7,356,418	04/08/2008
Scientist Domain-Centric User Interface and Enabling "Soft" Translation		US	12/099745	04/08/2008		
Methods for the Development of a Biomolecule Assay	PCT	EP	06816949.9	10/12/2006		
Methods for the Development of a Biomolecule Assay	ORD	US	11/580221	10/12/2006		

Patent Title	Type	Country	Serial No.	Filed Dt	Patent No.	Issued Dt
Methods And Systems For Sequence-Based Design Of Multiple Reaction Monitoring Transitions And Experiments	ORD	US	11/777248	7/12/2007		
Method and Apparatus for Generating Ions for Mass Analysis	PCT	EP	07840132.0	3/2/07		
Chemical Noise Reduction for Mass Spectrometry	PCT	EP	07763291.7	2/7/2007		
Chemical Noise Reduction for Mass Spectrometry		US	12/411140	03/25/2009		
Methods and Systems for Background Correction in Tandem Mass Spectrometry Based Quantitation		US	12/208277	09/10/2008		
Methods and Systems for Analysis and Correction of Mass Spectrometer Data		US	12/476141	06/01/2009		
Intelligent Saturation Control for Compound Specific Optimization of MRM		US	12/476133	06/01/2009		