

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3553496

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT MATTHEW MAYALL	05/11/2015
EMILY CANDICE HICKS	05/11/2015
MARGARET MARY-FLORA RENAUD-YOUNG	05/11/2015
DAVID CHRISTOPHER LLOYD	05/11/2015
LISA KARA OBERDING	05/11/2015
IAIN FRASER SCOTNEY GEORGE	05/11/2015
RECEIVING PARTY DATA	
Name:	FREDSense TECHNOLOGIES CORP.
Street Address:	549 POINT MACKAY GROVE NW
City:	CALGARY
State/Country:	CANADA
Postal Code:	T3B 5C4
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14491367
CORRESPONDENCE DATA	
Fax Number:	(416)361-1398
<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>	
Phone:	416-364-7311
Email:	jlo@bereskinparr.com
Correspondent Name:	BERESKIN & PARR LLP/S.E.N.C.R.L., S.R.L.
Address Line 1:	40 KING STREET WEST
Address Line 2:	40TH FLOOR
Address Line 4:	TORONTO, CANADA M5H 3Y2
ATTORNEY DOCKET NUMBER:	21806-P44849US01
NAME OF SUBMITTER:	MICHELINE GRAVELLE
SIGNATURE:	/Micheline Gravelle/
DATE SIGNED:	10/02/2015

Total Attachments: 18

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ASSIGNMENT

WHEREAS I, Iain Fraser Scotney George, whose full post office address is 810 Varsity Estates Place NW, Calgary, Alberta T3B 3X3 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS FredSense Technologies Corp., whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **Iain Fraser Scotney George**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

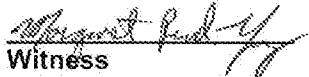
I, **Iain Fraser Scotney George**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

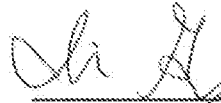
I, **Iain Fraser Scotney George**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant the firm of **Bereskin & Parr** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United

States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

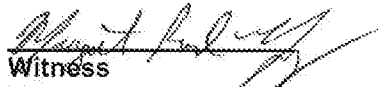

Witness
Name: Margaret Renaud-Young

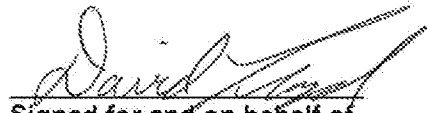

Iain Fraser Scotney George

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,


Witness
Name: Margaret Renaud-Young


Signed for and on behalf of
FredSense Technologies Corp.,
Name: David Lloyd
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013

ASSIGNMENT

WHEREAS I, Emily Candice Hicks, whose full post office address is 3312 Constable Place NW, Calgary, Alberta T2L 0L1 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS FredSense Technologies Corp., whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **Emily Candice Hicks**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

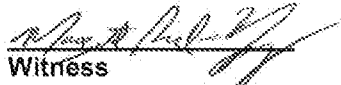
I, **Emily Candice Hicks**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

I, **Emily Candice Hicks**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant the firm of **Bereskin & Parr** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United

States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

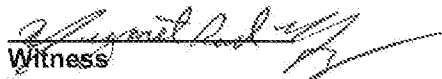

Witness
Name: Margaret Renaud-Young

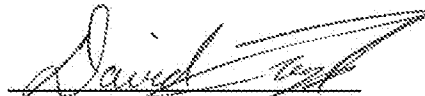

Emily Candice Hicks

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,


Witness
Name: Margaret Renaud-Young


Signed for and on behalf of
FredSense Technologies Corp.,
Name: David Lloyd
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013

ASSIGNMENT

WHEREAS I, **David Christopher Lloyd**, whose full post office address is 2555 Chicoutimi Dr. NW, Calgary, Alberta T2L 0W4 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS **FredSense Technologies Corp.**, whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **David Christopher Lloyd**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

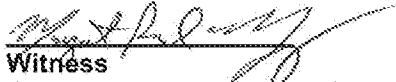
I, **David Christopher Lloyd**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

I, **David Christopher Lloyd**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

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States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

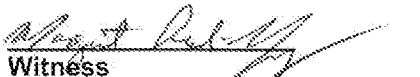

Witness
Name: Margaret Renard-Yang

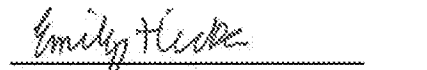

David Christopher Lloyd

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,


Witness
Name: Margaret Renard-Yang


Signed for and on behalf of
FredSense Technologies Corp.,
Name: Emily Hicks
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013

ASSIGNMENT

WHEREAS I, **Robert Matthew Mayall**, whose full post office address is 2555 Chicoutimi Drive NW, Calgary, Alberta T2L 0W4 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS FredSense Technologies Corp., whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **Robert Matthew Mayall**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

I, **Robert Matthew Mayall**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

I, **Robert Matthew Mayall**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant the firm of **Bereskin & Parr** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United

States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

Emily Hicks
Witness
Name: Emily Hicks

Robert Matthew Mayall
Robert Matthew Mayall

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,

Emily Hicks
Witness
Name: Emily Hicks

David Lloyd
Signed for and on behalf of
FredSense Technologies Corp.,
Name: David Lloyd
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013

ASSIGNMENT

WHEREAS I, **Lisa Kara Oberding**, whose full post office address is 36 Dover Ridge Place, Calgary, Alberta T2B 2B9 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS FredSense Technologies Corp., whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **Lisa Kara Oberding**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

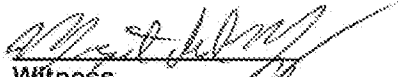
I, **Lisa Kara Oberding**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

I, **Lisa Kara Oberding**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant the firm of **Bereskin & Parr** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United

States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

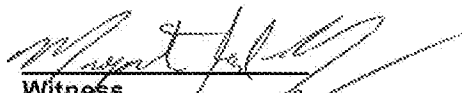

Witness
Name: Margaret Renaud-Young



Lisa Kara Oberding

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,


Witness
Name: Margaret Renaud-Young


Signed for and on behalf of
FredSense Technologies Corp.,
Name: David Lloyd
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013

ASSIGNMENT

WHEREAS I, **Margaret Mary-Flora Renaud-Young**, whose full post office address is 1268 Hunterburn Cr. NW, Calgary, Alberta T2K 4T2 Canada, am an inventor of an invention entitled **Systems and Methods for the Detection of Multiple Chemical Compounds** for which patent applications were filed as listed on Schedule A attached hereto,

AND WHEREAS FredSense Technologies Corp., whose full post office address is 549 Point MacKay Grove NW, Calgary, Alberta, T3B 5C4 pursuant to the terms of the Agreement, has acquired from me my whole right, title and interest for the United States of America, Canada and all other countries in and to the said inventions and in and to any Letters Patent that may be obtained therefore, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of all of which is hereby acknowledged, I, **Margaret Mary-Flora Renaud-Young**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **FredSense Technologies Corp.** my full and exclusive right, including all that in fact and in law corresponds, to the said inventions in the United States of America, Canada and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and my entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said applications and to any other patent applications and patents that claim priority from the aforementioned patent applications, together with my right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

I, **Margaret Mary-Flora Renaud-Young**, agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said inventions and for additions and modifications thereto in any and all countries, and to vest title thereto in said **FredSense Technologies Corp.** its successors, assigns and legal representatives or nominees.

I, **Margaret Mary-Flora Renaud-Young**, hereby authorize and request the Commissioner of Patents and Trademarks in the U.S., Canada and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **FredSense Technologies Corp.**, the assignee of my entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

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States Patent and Trademark Office, Canadian Intellectual Property Office or other Patent Offices in the world for recordation of this document.

Signed this 11th day of May, 2015, at Calgary, Alberta

Emily Hicks
Witness
Name: Emily Hicks

Margaret Mary-Flora Renaud-Young
Margaret Mary-Flora Renaud-Young

Assignee Acceptance:

Signed this 11th day of May, 2015, at Calgary, Alberta

FredSense Technologies Corp.,

Emily Hicks
Witness
Name: Emily Hicks

David Lloyd
Signed for and on behalf of
FredSense Technologies Corp.,
Name: David Lloyd
Title: Co-Chief Executive Officer

SCHEDULE A

Patent Title:

Systems and Methods for the Detection of Multiple Chemical Compounds

<u>Application No.</u>	<u>Country</u>	<u>Effective Filing Date</u>
14/491,367	USA	September 19, 2014
2,827,871	CANADA	September 20, 2013