503177237 02/12/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENBING YUN	01/21/2015
SYLVIA JIA YUN LEWIS	01/21/2015
JANOS KIRZ	01/21/2015
ALAN FRANCIS LYON	01/21/2015

RECEIVING PARTY DATA

Name:	SIGRAY, INC.
Street Address:	5750 IMHOFF DR.
Internal Address:	SUITE I
City:	CONCORD
State/Country:	CALIFORNIA
Postal Code:	94520

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	14490672	
PCT Number:	US2014056688	

CORRESPONDENCE DATA

Fax Number:

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: 650-380-1271

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ATTORNEY DOCKET NUMBER:	SIG-N-S-001
NAME OF SUBMITTER:	FRANKLIN SCHELLENBERG
SIGNATURE:	/Franklin Schellenberg/
DATE SIGNED:	02/12/2015

Total Attachments: 19

source=Wenbing Assignments 2015 01 21 16 40 21#page1.tif source=Wenbing Assignments 2015 01 21 16 40 21#page2.tif source=Wenbing Assignments 2015 01 21 16 40 21#page3.tif source=Wenbing Assignments 2015 01 21 16 40 21#page4.tif source=Wenbing Assignments 2015_01_21_16_40_21#page5.tif source=Sylvia Assignments 2015_01_21_16_38_56#page1.tif source=Sylvia Assignments 2015 01 21 16 38 56#page2.tif source=Sylvia Assignments 2015_01_21_16_38_56#page3.tif source=Sylvia Assignments 2015_01_21_16_38_56#page4.tif source=Sylvia Assignments 2015 01 21 16 38 56#page5.tif source=Kirz Assignments 2015 01 21 16 37 55#page1.tif source=Kirz Assignments 2015_01_21_16_37_55#page2.tif source=Kirz Assignments 2015 01 21 16 37 55#page3.tif source=Kirz Assignments 2015 01 21 16 37 55#page4.tif source=Kirz Assignments 2015_01_21_16_37_55#page5.tif source=Lyon Assignments 2015_01_21_16_39_34#page1.tif source=Lyon Assignments 2015 01 21 16 39 34#page2.tif source=Lyon Assignments 2015 01 21 16 39 34#page3.tif source=Lyon Assignments 2015 01 21 16 39 34#page4.tif

ASSIGNMENT

WHEREAS, I, Wenbing Yun, of Walnut Creek, California, am an inventor or one of the co-inventors of the inventions as set forth in one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below,

Table A: U.S. Provisional Patent Applications in which Wenbing Yun is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
Microstructured Target/Anode for X-ray Source	THERMALMICROSTRUCTURE	61/873,735	2013-09-04
Method of Generating High Brightness and/or High Flux X-rays by Linear Accumulation of X-rays Generated from a Plurality of Transmission Targets	ACCUMULATION-XRAY- SOURCE	61/880,151	2013-09-19
Microstructured X-ray Source Target/Anode Optimized for a Limited Emission Angular Range	LIMITED_ANGLE_XRAY	61/894,073	2013-10-22
X-ray Phase Contrast Imaging System	PHASE-CONTRAST-XRAY	61/898,019	2013-10-31
An X-ray Source Consisting of an Array of Fine Sub-Sources	PHASE-CONTRAST-SOURCE	61/901,361	2013-11-07
High throughput x-ray illumination system	== none ==	61/912,478	2013-12-05
High sensitivity, high resolution, and high throughput scanning XRF microprobe	== none ==	61/912,486	2013-12-05
Rotating anode X-ray Source	RATATING-ANODE	61/928,911	2014-01-17
X-ray Source Optimized for High Brightness With Linear Accumulation	ZERO-TAKEOFF- LINEAR-ACCUM	61/931,519	2014-01-24
Total Reflection X-ray Fluorescence (TXRF) System using High Brightness X-ray Source	== none ==	61/934,577	2014-01-31
Focused X-ray Beam Generating Apparatus	== none ==	61/946,475	2014-02-28
X-ray Metrology Apparatus with High Brightness Source for Small Angle Scattering, Fluorescence, and Reflectivity	== none ==	61/946,527	2014-02-28
Convergent Angle X-ray Reflectometry (XRR) Apparatus Using High Brightness X-ray Source	== none ==	61/950,481	2014-03-10
Two dimensional Phase Contrast Imaging apparatus	== none ==	61/981,098	2014-04-17
METHODS OF REDUCING SCATTER RADIATION USING TALBOT EFFECT	== none ==	61/987,106	2014-05-01
Methods of Improving (MTF) and (DQE) and Reducing Scatter Background of an X-ray Imaging System Using Coherence Effect	== none ==	61/989,743	2014-05-07
Method of Single-Shot Imaging to Obtain Absorption and Differential Phase, and/or Scattering, and/or Phase Contrast Images	== none ==	61/991,889	2014-05-12
Method of Talbot-Effect Based X-ray Patterned Probe and Characterization (Metrology or Inspection) Apparatuses Using Such	== none ==	61/993,792	2014-05-15

Assignment Wenbing Yun to Sigray Page 1 of 5

Table A Continued			
TITLE	Docket #	Application #	Filing Date
Method of Talbot Effect based X-ray Imaging with High Image Contrast and Design of Apparatus Using Such	== none ==	61/993,811	2014-05-15
Methods and Designs of Apparatus to Generate and Focus Multiple X-ray Excitation Beams of One or More Energy and Double-Sided X-ray Source Anode.	== none ==	62/008,856	2014-06-06
X-ray Spectroscopy Apparatus	== none ==	62/066,826	2014-10-21
Microstructured detector for Tricontrast Imaging	SIG-D-P-022	62/086,132	2014-12-01

Table B: U.S. Nonprovisional Patent Applications in which **Wenbing Yun** is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	SIG-N-T-001	14/465,816	2014-08-21
X-RAY SOURCES USING LINEAR ACCUMULATION	SIG-N-S-001	14/490,672	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	SIG-N-A-001	14/527,523	2014-10-29

Table C: PCT Applications in which Wenbing Yun is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	629681-1/MSG/873,735	PCT/US2014/053603	2014-08-29
X-RAY SOURCES USING LINEAR ACCUMULATION	629704-5/MSG/880,151	PCT/US2014/056688	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	29786-7/MSG/898,019	PCT/US2014/063164	2014-10-30

Assignment Wenbing Yun to Sigray Page 2 of 5

WHEREAS, **Sigray, Inc.** (hereinafter referred to as "ASSIGNEE"), a C Corporation organized and existing under the laws of Delaware, and having offices at ___5750 lmhoff Drive, Suite I / Concord, CA / 94520 is desirous of acquiring the entire right, title and interest in and to these inventions, the applications, and any and all Letters Patent and similar foreign and domestic legal protection for said inventions

- [X] in the United States
- [X] in all other jurisdictions;

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers if missing. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named jurisdictions and appoint Assignee the common representative in the above identified international application and any international applications for said inventions.

I represent to the Assignee, its successors and assigns, that I shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I, my executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on said inventions in any and all jurisdictions, I, my executors or administrators hereby authorize Assignee, its successors and assigns to act on my behalf.

This Assignment is to be interpreted under and governed by the laws of the State of California, in the United States of America. The parties agree that disputes, if any, arising under this Assignment shall be submitted to the courts of the State of California and expressly submit to the Jurisdiction of and agree to accept service of process of the courts of the State of California in connection with any action in such courts to resolve any dispute arising hereunder.

Assignment Wenbing Yun to Sigray Page 3 of 5 Inventor/Assignor Signature

Wenbing Yun

Inventor/Assignor Typed Name 0 1/21/2005

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of <u>COntra</u> Costal

On this 215t day of January, 2015, before me, L. De Jager, notary prodice (insert name and title of the officer)

personally appeared <u>Wenbing</u> yun who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/afe subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(jes), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)



For Sigray, Inc. (Assignee):
wy ym
Assignee Representative (Signature)
Wenting you
Assignee Representative (Typed or Written)
president
Assigned Representative Title
1/21/2015
Date
ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Cover a Costa
On this 215t day of Savery, 2015, before me, K. De Sager, notary public (insert name and title of the officer)
personally appeared
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)



ASSIGNMENT

WHEREAS, I, Sylvia Jia Yun Lewis, of San Francisco, California, am an inventor or one of the co-inventors of the inventions as set forth in one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below,

Table A: U.S. Provisional Patent Applications in which Sylvia Jia Yun Lewis is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
Microstructured Target/Anode for X-ray Source	THERMALMICROSTRUCTURE	61/873,735	2013-09-04
Method of Generating High Brightness and/or High Flux X-rays by Linear Accumulation of X-rays Generated from a Plurality of Transmission Targets	ACCUMULATION-XRAY- SOURCE	61/880,151	2013-09-19
Microstructured X-ray Source Target/Anode Optimized for a Limited Emission Angular Range	LIMITED_ANGLE_XRAY	61/894,073	2013-10-22
X-ray Phase Contrast Imaging System	PHASE-CONTRAST-XRAY	61/898,019	2013-10-31
An X-ray Source Consisting of an Array of Fine Sub-Sources	PHASE-CONTRAST-SOURCE	61/901,361	2013-11-07
High throughput x-ray illumination system	== none ==	61/912,478	2013-12-05
High sensitivity, high resolution, and high throughput scanning XRF microprobe	== none ==	61/912,486	2013-12-05
Rotating anode X-ray Source	RATATING-ANODE	61/928,911	2014-01-17
X-ray Source Optimized for High Brightness With Linear Accumulation	ZERO-TAKEOFF- LINEAR-ACCUM	61/931,519	2014-01-24
Total Reflection X-ray Fluorescence (TXRF) System using High Brightness X-ray Source	== none ==	61/934,577	2014-01-31
Focused X-ray Beam Generating Apparatus	== none ==	61/946,475	2014-02-28
X-ray Metrology Apparatus with High Brightness Source for Small Angle Scattering, Fluorescence, and Reflectivity	== none ==	61/946,527	2014-02-28
Two dimensional Phase Contrast Imaging apparatus	== none ==	61/981,098	2014-04-17
METHODS OF REDUCING SCATTER RADIATION USING TALBOT EFFECT	== none ==	61/987,106	2014-05-01
Methods of Improving (MTF) and (DQE) and Reducing Scatter Background of an X-ray Imaging System Using Coherence Effect	== none ==	61/989,743	2014-05-07
Method of Single-Shot Imaging to Obtain Absorption and Differential Phase, and/or Scattering, and/or Phase Contrast Images	== none ==	61/991,889	2014-05-12
Method of Talbot-Effect Based X-ray Patterned Probe and Characterization (Metrology or Inspection) Apparatuses Using Such	== none ==	61/993,792	2014-05-15
Method of Talbot Effect based X-ray Imaging with High Image Contrast and Design of Apparatus Using Such	== none ==	61/993,811	2014-05-15

Assignment Sylvia Jia Yun Lewis to Sigray Page 1 of 5

Table A Continued			
TITLE	Docket #	Application #	Filing Date
Methods and Designs of Apparatus to Generate and Focus Multiple X-ray Excitation Beams of One or More Energy and Double-Sided X-ray Source Anode.	== none ==	62/008,856	2014-06-06
X-ray Spectroscopy Apparatus	== none ==	62/066,826	2014-10-21
Microstructured detector for Tricontrast Imaging	SIG-D-P-022	62/086,132	2014-12-01

Table B: U.S. Nonprovisional Patent Applications in which **Sylvia Jia Yun Lewis** is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	SIG-N-T-001	14/465,816	2014-08-21
X-RAY SOURCES USING LINEAR ACCUMULATION	SIG-N-S-001	14/490,672	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	SIG-N-A-001	14/527,523	2014-10-29

Table C: PCT Applications in which Sylvia Jia Yun Lewis is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	629681-1/MSG/873,735	PCT/US2014/053603	2014-08-29
X-RAY SOURCES USING LINEAR ACCUMULATION	629704-5/MSG/880,151	PCT/US2014/056688	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	29786-7/MSG/898,019	PCT/US2014/063164	2014-10-30

Assignment Sylvia Jia Yun Lewis to Sigray Page 2 of 5 WHEREAS, **Sigray, Inc.** (hereinafter referred to as "ASSIGNEE"), a C Corporation organized and existing under the laws of Delaware, and having offices at __5750 Imhoff Drive, Suite I / Concord, CA / 94520 is desirous of acquiring the entire right, title and interest in and to these inventions, the applications, and any and all Letters Patent and similar foreign and domestic legal protection for said inventions

- [X] in the United States
- [X] in all other jurisdictions;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, effective as of Sept. 4, 2013 nunc pro tunc, my entire right, title and interest in said inventions, applications and all Letters Patent for said inventions in the above-named jurisdictions including: the right to sue for past infringement; the right to claim priority; all provisional applications from which any applications for said inventions claim priority; all domestic and foreign applications for said inventions; any continuation, conversion, division, renewal or substitute for said applications and any applications for said inventions; all Letters Patent, any reissue, re-examination or similar legal protection issuing related to said Letters Patent for said inventions; all rights and benefits under any applicable treaty or convention for said inventions, and any applications and Patents covering said inventions; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue Letters Patent or similar legal protection to the Assignee for said inventions.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers if missing. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named jurisdictions and appoint Assignee the common representative in the above identified international application and any international applications for said inventions.

I represent to the Assignee, its successors and assigns, that I shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I, my executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on said inventions in any and all jurisdictions, I, my executors or administrators hereby authorize Assignee, its successors and assigns to act on my behalf.

This Assignment is to be interpreted under and governed by the laws of the State of California, in the United States of America. The parties agree that disputes, if any, arising under this Assignment shall be submitted to the courts of the State of California and expressly submit to the Jurisdiction of and agree to accept service of process of the courts of the State of California in connection with any action in such courts to resolve any dispute arising hereunder.

Sylvia Jia Yun Lewis

Inventor/Assignor Typed Name

1/21/2015 Date

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Ca	lifornia	1-
County of _	contra	(0540)

On this 215t day of January, 2015, before me, K. De Janer, notary public (insert name and title of the officer)

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)

K. DE JAGER Commission # 1921463 Notary Public - California Contra Costa County My Comm. Expires Feb 9, 2015 Assignee Representative (Signature)

Assignee Representative (Typed or Written)

Assignee Representative Title

\[\lambda 2 \lambda 2 \lambda 5 \]

Date

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Contractory

On this 215 day of January, 2015, before me, Linear name and title of the officery

personally appeared Wender of satisfactory evidence to be the person(s) whose name(s) is/afe subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing

WITNESS my hand and official seal.

paragraph is true and correct.

Signature

(Seal)

K. DE JAGER
Commission # 1921463
Notary Public - California
Contra Costa County
My Comm. Expires Feb 9, 2015

ASSIGNMENT

WHEREAS, I, Janos Kirz, of Berkeley, California, am an inventor or one of the co-inventors of the inventions as set forth in one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below,

Table A: U.S. Provisional Patent Applications in which Janos Kirz is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
Method of Generating High Brightness and/or High Flux X-rays by Linear Accumulation of X-rays Generated from a Plurality of Transmission Targets	ACCUMULATION-XRAY- SOURCE	61/880,151	2013-09-19
High throughput x-ray illumination system	== none ==	61/912,478	2013-12-05
High sensitivity, high resolution, and high throughput scanning XRF microprobe	== none ==	61/912,486	2013-12-05
Rotating anode X-ray Source	RATATING-ANODE	61/928,911	2014-01-17
X-ray Source Optimized for High Brightness With Linear Accumulation	ZERO-TAKEOFF- LINEAR-ACCUM	61/931,519	2014-01-24
Total Reflection X-ray Fluorescence (TXRF) System using High Brightness X-ray Source	== none ==	61/934,577	2014-01-31
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Two dimensional Phase Contrast Imaging apparatus	== none ==	61/981,098	2014-04-17
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Methods and Designs of Apparatus to Generate and Focus Multiple X-ray Excitation Beams of One or More Energy and Double-Sided X-ray Source Anode.	== none ==	62/008,856	2014-06-06
X-ray Spectroscopy Apparatus	== none ==	62/066,826	2014-10-21
Microstructured detector for Tricontrast Imaging	SIG-D-P-022	62/086,132	2014-12-01

Assignment Janos Kirz to Sigray Page 1 of 5

Table B: U.S. Nonprovisional Patent Applications in which Janos Kirz is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	SIG-N-T-001	14/465,816	2014-08-21
X-RAY SOURCES USING LINEAR ACCUMULATION	SIG-N-S-001	14/490,672	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	SIG-N-A-001	14/527,523	2014-10-29

Table C: PCT Applications in which Janos Kirz is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
STRUCTURED TARGETS FOR X-RAY GENERATION	629681-1/MSG/873,735	PCT/US2014/053603	2014-08-29
X-RAY SOURCES USING LINEAR ACCUMULATION	629704-5/MSG/880,151	PCT/US2014/056688	2014-09-19
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Assignment Janos Kirz to Sigray Page 2 of 5 WHEREAS, **Sigray, Inc.** (hereinafter referred to as "ASSIGNEE"), a C Corporation organized and existing under the laws of Delaware, and having offices at ___5750 Imhoff Drive, Suite I / Concord, CA / 94520 is desirous of acquiring the entire right, title and interest in and to these inventions, the applications, and any and all Letters Patent and similar foreign and domestic legal protection for said inventions

- [X] in the United States
- [X] in all other jurisdictions;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, effective as of Sep. 19, 2013 nunc pro tunc, my entire right, title and interest in said inventions, applications and all Letters Patent for said inventions in the above-named jurisdictions including: the right to sue for past infringement; the right to claim priority; all provisional applications from which any applications for said inventions claim priority; all domestic and foreign applications for said inventions; any continuation, conversion, division, renewal or substitute for said applications and any applications for said inventions; all Letters Patent, any reissue, re-examination or similar legal protection issuing related to said Letters Patent for said inventions; all rights and benefits under any applicable treaty or convention for said inventions, and any applications and Patents covering said inventions; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue Letters Patent or similar legal protection to the Assignee for said inventions.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers if missing. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named jurisdictions and appoint Assignee the common representative in the above identified international application and any international applications for said inventions.

I represent to the Assignee, its successors and assigns, that I shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I, my executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on said inventions in any and all jurisdictions, I, my executors or administrators hereby authorize Assignee, its successors and assigns to act on my behalf.

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Inventor/Assignor Signature

Janos Kirz

Inventor/Assignor Typed Name

1/21/2015

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Ca	lifornia	
County of _	contra	(05ta

On this 215t day of January, 2015, before me, K. De Jager, notary public (insert name and title of the officer)

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)



Assignment Janos Kirz to Sigray Page 4 of 5 Assignee Representative (Signature)

Assignee Representative (Typed or Written)

Assignee Representative Title

1/21/2015

Date

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State of California County of Contra Costa
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personally appeared
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my handrand official seal.

Signature

(Seal)

K. DE JAGER
Commission # 1921463
Notary Public - California
Contra Costa County
My Comm. Expires Feb 9, 2015

ASSIGNMENT

WHEREAS, I, Alan Francis Lyon, of Berkeley, California, am an inventor or one of the co-inventors of the inventions as set forth in one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below, and am an inventor or one of the co-inventors of the inventions as set forth in one or more of the Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below,

Table A: U.S. Provisional Patent Applications in which Alan Francis Lyon is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
Microstructured detector for Tricontrast Imaging	SIG-D-P-022	62/086,132	2014-12-01

Table B: U.S. Nonprovisional Patent Applications in which **Alan Francis Lyon** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
X-RAY SOURCES USING LINEAR ACCUMULATION	SIG-N-S-001	14/490,672	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	SIG-N-A-001	14/527,523	2014-10-29

Table C: PCT Applications in which Alan Francis Lyon is an inventor or co-inventor.

TITLE	Docket#	Application #	Filing Date
X-RAY SOURCES USING LINEAR ACCUMULATION	629704-5/MSG/880,151	PCT/US2014/056688	2014-09-19
X-RAY INTERFEROMETRIC IMAGING SYSTEM	29786-7/MSG/898,019	PCT/US2014/063164	2014-10-30

Assignment Alan Francis Lyon to Sigray Page 1 of 4 WHEREAS, **Sigray, Inc.** (hereinafter referred to as "ASSIGNEE"), a C Corporation organized and existing under the laws of Delaware, and having offices at ___5750 Imhoff Drive, Suite 1 / Concord, CA / 94520 is desirous of acquiring the entire right, title and interest in and to these inventions, the applications, and any and all Letters Patent and similar foreign and domestic legal protection for said inventions

- [X] in the United States
- [X] in all other jurisdictions;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, effective as of Sep. 19, 2014 nunc pro tunc, my entire right, title and interest in said inventions, applications and all Letters Patent for said inventions in the above-named jurisdictions including: the right to sue for past infringement; the right to claim priority; all provisional applications from which any applications for said inventions claim priority; all domestic and foreign applications for said inventions; any continuation, conversion, division, renewal or substitute for said applications and any applications for said inventions; all Letters Patent, any reissue, re-examination or similar legal protection issuing related to said Letters Patent for said inventions; all rights and benefits under any applicable treaty or convention for said inventions, and any applications and Patents covering said inventions; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue Letters Patent or similar legal protection to the Assignee for said inventions.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers if missing. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named jurisdictions and appoint Assignee the common representative in the above identified international application and any international applications for said inventions.

I represent to the Assignee, its successors and assigns, that I shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I, my executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on said inventions in any and all jurisdictions, I, my executors or administrators hereby authorize Assignee, its successors and assigns to act on my behalf.

This Assignment is to be interpreted under and governed by the laws of the State of California, in the United States of America. The parties agree that disputes, if any, arising under this Assignment shall be submitted to the courts of the State of California and expressly submit to the Jurisdiction of and agree to accept service of process of the courts of the State of California in connection with any action in such courts to resolve any dispute arising hereunder.

Inventor/Assignor Signature

Alan Francis Lyon

Inventor/Assignor Typed Name

1-21-2015 Date

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State of California
County of Contra Cotto

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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)



For Sigray, Inc. (Assignee):
my ym
Assignee Representative (Signature)
Wenting Yun
Assignee Representative (Typed or Written)
president
Assignee Representative Title
1/21/2015 Date

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Signature

(Seal)



Assignment Alan Francis Lyon to Sigray Page 4 of 4