505799390 12/03/2019

EPAS ID: PAT5846219

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT JOHN TWEEDIE	11/25/2019
PAUL HENDERSON	11/22/2019
KEITH HOUSTON	11/24/2019

RECEIVING PARTY DATA

Name:	BLACKFORD ANALYSIS LTD.
Street Address:	THE ROYAL OBSERVATORY BLACKFORD HILL
City:	EDINBURGH
State/Country:	UNITED KINGDOM
Postal Code:	ЕН9 ЗНЈ

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16695642

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: 7033912900

Email: ptonotices@marburylaw.com

Correspondent Name: THE MARBURY LAW GROUP, PLLC Address Line 1: 11800 SUNRISE VALLEY DRIVE

Address Line 2: 15TH FLOOR

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER: 27460-P59916US00

NAME OF SUBMITTER: WHITNEY MCNEIL

SIGNATURE: /Whitney McNeil/

DATE SIGNED: 12/03/2019

Total Attachments: 15

source=16695642 Assignment signed Nov 2019#page1.tif source=16695642 Assignment signed Nov 2019#page2.tif source=16695642 Assignment signed Nov 2019#page3.tif

PATENT 505799390 REEL: 051155 FRAME: 0789

PATENT REEL: 051155 FRAME: 0790

Bereskin &Par

27460-P59916US00

ASSIGNMENT / DECLARATION

WHEREAS ROBERT JOHN TWEEDIE, whose full post office address is 13 Hillpark Brae, Blackhall, Edinburgh EH4 7TD, United Kingdom; PAUL HENDERSON, whose full post office address is Am Campus 1/44/9, 3400 Klosterneuburg, Austria; and KEITH HOUSTON, whose full post office address is 54 Beaumont Road, Birmingham, B30 2DY, United Kingdom (hereinafter the "Assignors"), are the inventors of an invention disclosed in a United States Patent Application entitled "SYSTEMS AND METHODS FOR PROCESSING MEDICAL IMAGES FOR IN-PROGRESS STUDIES" and filed under Serial No. 16/695,642 (hereinafter "the Application") on Note that the "Filing Date");

AND WHEREAS BLACKFORD ANALYSIS LTD., whose full post office address is The Royal Observatory, Blackford Hill, Edinburgh EH9 3HJ, United Kingdom (hereinafter "the Assignee"), has acquired from the Assignors, their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application, and all related applications and patents thereon, including any and all international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of

Page 1 of 5

any right of priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any such right of priority without further

written or oral authorization from the Assignor:s

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and

other good and valuable consideration, the receipt and sufficiency of all of which

is hereby acknowledged, the Assignors hereby confirm that, as of the Filing Date

of the Application, they have assigned, and to any extent not done, effective as of

the Filing Date of the Application, do hereby sell and assign, transfer and set

over to the Assignee, all of their right, title and interest for Canada, the United

States of America, its territories, dependencies and possessions, and for all other

countries in the world, in and to the invention, including their rights to the

Application, and all related applications and patents thereon, including the right to

claim priority to the Application and to all related applications and patents

thereon, to be held and enjoyed by the Assignee, its assigns and successors, as

fully and entirely as the same would have been held and enjoyed by them, had

this Assignment not been made.

The Assignors hereby confirm that the Application was made or was

authorized to be made by themselves and that they believe themselves to be the

original inventor or joint inventor of a claimed invention in the Application.

The Assignors shall without further consideration do all such things and

execute all such documents as may be necessary or desirable to obtain and

maintain the Application for the invention, and all related applications and patents

thereon, in any and all countries, and to vest title thereto in the Assignee, its

successors, assigns and legal representatives or nominees.

The Assignors and the Assignee authorize and empower Bereskin & Parr

LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street

West, 40th Floor, Toronto, Ontario M5H 3Y2, Canada, to insert on this

Page 2 of 5

Assignment any further identification, including inserting the serial number of the

patent application when available, to prepare any translation which may be

necessary or desirable in order to comply with the rules for recordation of this

document in any country and to correct any clerical error in this Assignment.

The Commissioner of Patents & Trademarks is hereby authorized and

requested to issue any Letters Patent for the Application, and all related

applications thereon, to the Assignee, 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 the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or

unenforceable in any jurisdiction, that shall not affect the validity or enforceability

in that jurisdiction of any other provision of this Assignment, or the validity or

enforceability in other jurisdictions of that or any other provision of this

Assignment.

The Assignors hereby acknowledge that any willful false statement made

in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or

imprisonment of not more than five (5) years, or both.

This Assignment may be executed in any number of counterparts and all

of such counterparts shall together constitute one and the same instrument.

Page 3 of 5

The Parties confirm their express wish that this Assignment be drawn up in the English language. Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.

SIGNED AT Edinburgh, SCOTLAND	this <u>2</u>	3 day of Novemb	<u>v</u> , 20 <u>19</u> .
Signature of Witness Name: CREG KINGSTON		Robert John	n TWEEDIE
SIGNED AT	this _	day of	, 20
Signature of Witness Name:		By: Paul HEND i	ERSON
SIGNED AT	this _	day of	, 20
Signature of Witness Name:		By: Keith HOUS	STON

SIGNED AT EDINGUALK, UK this 28th day of NOVENGER, 2019.

Signature of Witness

Name: Rossar Dovens Dovers Uzin

By: Blackford Analysis Ltd.

Name: SCOTT NUTHERFORD

Title: CFO, DIRECTOR

Bereskin &Parr

27460-P59916US00

ASSIGNMENT / DECLARATION

WHEREAS ROBERT JOHN TWEEDIE, whose full post office address is 13 Hillpark Brae, Blackhall, Edinburgh EH4 7TD, United Kingdom; PAUL HENDERSON, whose full post office address is Am Campus 1/44/9, 3400 Klosterneuburg, Austria; and KEITH HOUSTON, whose full post office address is 54 Beaumont Road, Birmingham, B30 2DY, United Kingdom (hereinafter the "Assignors"), are the inventors of an invention disclosed in a United States Patent Application entitled "SYSTEMS AND METHODS FOR PROCESSING MEDICAL IMAGES FOR IN-PROGRESS STUDIES" and filed under Serial No. 16/695,642 (hereinafter "the Application") on Notember 2.6.2013 (hereinafter the "Filing Date");

AND WHEREAS BLACKFORD ANALYSIS LTD., whose full post office address is The Royal Observatory, Blackford Hill, Edinburgh EH9 3HJ, United Kingdom (hereinafter "the Assignee"), has acquired from the Assignors, their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application, and all related applications and patents thereon, including any and all international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of

Page 1 of 5

any right of priority provided by any convention or treaty under domestic or

foreign law, and to invoke and claim any such right of priority without further

written or oral authorization from the Assignor;s

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and

other good and valuable consideration, the receipt and sufficiency of all of which

is hereby acknowledged, the Assignors hereby confirm that, as of the Filing Date

of the Application, they have assigned, and to any extent not done, effective as of

the Filing Date of the Application, do hereby sell and assign, transfer and set

over to the Assignee, all of their right, title and interest for Canada, the United

States of America, its territories, dependencies and possessions, and for all other

countries in the world, in and to the invention, including their rights to the

Application, and all related applications and patents thereon, including the right to

claim priority to the Application and to all related applications and patents

thereon, to be held and enjoyed by the Assignee, its assigns and successors, as

fully and entirely as the same would have been held and enjoyed by them, had

this Assignment not been made.

The Assignors hereby confirm that the Application was made or was

authorized to be made by themselves and that they believe themselves to be the

original inventor or joint inventor of a claimed invention in the Application.

The Assignors shall without further consideration do all such things and

execute all such documents as may be necessary or desirable to obtain and

maintain the Application for the invention, and all related applications and patents

thereon, in any and all countries, and to vest title thereto in the Assignee, its

successors, assigns and legal representatives or nominees.

The Assignors and the Assignee authorize and empower Bereskin & Parr

LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street

West, 40th Floor, Toronto, Ontario M5H 3Y2, Canada, to insert on this

Page 2 of 5

Assignment any further identification, including inserting the serial number of the

patent application when available, to prepare any translation which may be

necessary or desirable in order to comply with the rules for recordation of this

document in any country and to correct any clerical error in this Assignment.

The Commissioner of Patents & Trademarks is hereby authorized and

requested to issue any Letters Patent for the Application, and all related

applications thereon, to the Assignee, 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 the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or

unenforceable in any jurisdiction, that shall not affect the validity or enforceability

in that jurisdiction of any other provision of this Assignment, or the validity or

enforceability in other jurisdictions of that or any other provision of this

Assignment.

The Assignors hereby acknowledge that any willful false statement made

in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or

imprisonment of not more than five (5) years, or both.

This Assignment may be executed in any number of counterparts and all

of such counterparts shall together constitute one and the same instrument.

Page 3 of 5

The Parties confirm their express wish that this Assignment be drawn up in the English language. Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.

SIGNED AT	this	day of	, 20
Signature of Witness Name:		By: Robert J	John TWEEDIE
Signature of Witness Name: Christoph Lampert	<u>istria</u> this <u>2</u>	2 day of Nov By: Paul HE	ember, 2019.
SIGNED AT	this	day of	, 20
Signature of Witness Name:		By: Keith H	DUSTON

SIGNED AT EDINGUECA, DK this 18 day of MOREMBER, 2019.

Signature of Witness

Name: RODFRY DOUGHS DWONS LINK

By: Blackford Analysis Ltd.

Name: SCOTT WUTHERFORS

Title: GO, DIRECTOR.

Bereskin &Par

27460-P59916US00

ASSIGNMENT / DECLARATION

WHEREAS ROBERT JOHN TWEEDIE, whose full post office address is 13 Hillpark Brae, Blackhall, Edinburgh EH4 7TD, United Kingdom; PAUL HENDERSON, whose full post office address is Am Campus 1/44/9, 3400 Klosterneuburg, Austria; and KEITH HOUSTON, whose full post office address is 54 Beaumont Road, Birmingham, B30 2DY, United Kingdom (hereinafter the "Assignors"), are the inventors of an invention disclosed in a United States Patent Application entitled "SYSTEMS AND METHODS FOR PROCESSING MEDICAL IMAGES FOR IN-PROGRESS STUDIES" and filed under Serial No. 16/695,642 (hereinafter "the Application") on Notember 2.6.2013 (hereinafter the "Filing Date");

AND WHEREAS BLACKFORD ANALYSIS LTD., whose full post office address is The Royal Observatory, Blackford Hill, Edinburgh EH9 3HJ, United Kingdom (hereinafter "the Assignee"), has acquired from the Assignors, their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application, and all related applications and patents thereon, including any and all international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of

Page 1 of 5

any right of priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any such right of priority without further

written or oral authorization from the Assignor;s

NOW THEREFORE, in consideration of the sum of one dollar (\$1,00) and

other good and valuable consideration, the receipt and sufficiency of all of which

is hereby acknowledged, the Assignors hereby confirm that, as of the Filing Date

of the Application, they have assigned, and to any extent not done, effective as of

the Filing Date of the Application, do hereby sell and assign, transfer and set

over to the Assignee, all of their right, title and interest for Canada, the United

States of America, its territories, dependencies and possessions, and for all other

countries in the world, in and to the invention, including their rights to the

Application, and all related applications and patents thereon, including the right to

claim priority to the Application and to all related applications and patents

thereon, to be held and enjoyed by the Assignee, its assigns and successors, as

fully and entirely as the same would have been held and enjoyed by them, had

this Assignment not been made.

The Assignors hereby confirm that the Application was made or was

authorized to be made by themselves and that they believe themselves to be the

original inventor or joint inventor of a claimed invention in the Application.

The Assignors shall without further consideration do all such things and

execute all such documents as may be necessary or desirable to obtain and

maintain the Application for the invention, and all related applications and patents

thereon, in any and all countries, and to vest title thereto in the Assignee, its

successors, assigns and legal representatives or nominees.

The Assignors and the Assignee authorize and empower Bereskin & Parr

LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street

West, 40th Floor, Toronto, Ontario M5H 3Y2, Canada, to insert on this

Page 2 of 5

REEL: 051155 FRAME: 0802

Assignment any further identification, including inserting the serial number of the

patent application when available, to prepare any translation which may be

necessary or desirable in order to comply with the rules for recordation of this

document in any country and to correct any clerical error in this Assignment.

The Commissioner of Patents & Trademarks is hereby authorized and

requested to issue any Letters Patent for the Application, and all related

applications thereon, to the Assignee, 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 the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or

unenforceable in any jurisdiction, that shall not affect the validity or enforceability

in that jurisdiction of any other provision of this Assignment, or the validity or

enforceability in other jurisdictions of that or any other provision of this

Assignment.

The Assignors hereby acknowledge that any willful false statement made

in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or

imprisonment of not more than five (5) years, or both.

This Assignment may be executed in any number of counterparts and all

of such counterparts shall together constitute one and the same instrument.

Page 3 of 5

The Parties confirm their express wish that this Assignment be drawn up in the English language. Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.

SIGNED AT	this	day of	, 20
Signature of Witness Name:		By: Robert J	ohn TWEEDIE
SIGNED AT	this _	day of	, 20
Signature of Witness Name:		By: Paul HEN	NDERSON
SIGNED AT Birming hum,	UK this 2	<u>.ધ</u> day of <u>// અ</u>	<u>ember,</u> 20 <u>19</u> .
Signature of Witness		By: Keith HO	USTON

SIGNED AT GOINGULLU UK this 28 day of NOVEMBER, 2019.

Signature of Witness

Name: Moret Dissus Davies West

By: Blackford Analysis Ltd.

Name: SCUTT MUTHERFORD

Title: CFO, DIRECTOR.

RECORDED: 12/03/2019