504920580 05/17/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4967326

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the ASSIGNMENT PREVIOUSLY SUBMITTED TO ADD SCHEDULE A previously recorded on Reel 033791 Frame 0576. Assignor(s) hereby confirms the ASSIGNMENT AND TRANSFER FROM STEVE ISCOE TO SANDBOX SCIENTIFIC I.P. INC

CONVEYING PARTY DATA

Name	Execution Date
STEVE ISCOE	05/08/2006

RECEIVING PARTY DATA

Name:	SANDBOX SCIENTIFIC I.P. INC.
Street Address:	252 YORK HILL BOULEVARD
City:	THORNHILL
State/Country:	CANADA
Postal Code:	L4J 2P6

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10545519

CORRESPONDENCE DATA

Fax Number: (416)352-1953

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: 4169039925

Email: bherman@hermanip.com
Correspondent Name: WILLIAM HERMAN
Address Line 1: 1 PROMENADE CIRCLE

Address Line 2: SUITE 310

Address Line 4: THORNHILL, CANADA L4J 4P8

ATTORNEY DOCKET NUMBER:	THO1-275
NAME OF SUBMITTER:	WILLIAM HERMAN
SIGNATURE:	/William Herman/
DATE SIGNED:	05/17/2018

Total Attachments: 5

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> PATENT REEL: 046187 FRAME: 0960

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PATENT REEL: 046187 FRAME: 0961

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3032971

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVE ISCOE	05/08/2006

RECEIVING PARTY DATA

Name:	SANDBOX SCIENTIFIC I.P. INC.
Street Address:	252 YORK HILL BOULEVARD
City:	THORNHILL.
State/Country:	CANADA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10545519

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:

2124867272

Email:

trotberg@llbl.com

Correspondent Name:

LEVISOHN BERGER, LLP

Address Line 1:

11 BROADWAY, SUITE 615

Address Line 4:

NEW YORK, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	3104.003
NAME OF SUBMITTER:	TUVIA ROTBERG
SIGNATURE:	/Tuvia Rotberg/
DATE SIGNED:	09/22/2014

Total Attachments: 3 source=tho4#page1.tif source=tho4#page2.tif source=tho4#page3.tif

PATENT REEL: 033**75**1 FNAME: 0576 REEL: 046187 FRAME: 0962

ASSIGNMENT AND TRANSFER

WHEREAS, I, STEVE ISCOE (318 Palace Road, Kingston, ON, K7L 4T3),

whose full post office addresses is set forth above, am the creator of Intellectual

Property as hereinafter defined including, without limitation, inventions with respect to

which I am the inventor;

AND WHEREAS, I, the said creator / inventor (in all such capacities hereafter

referred to as the "Innovator"), have entered into an Agreement of Purchase and Sale

(the "APS") dated May 8, 2006, with Sandbox Scientific I.P. Inc. ("SSIP"), a company

incorporated under the laws of the Province of Ontario, pursuant to which SSIP is to

acquire from me all my right, title, and interest in Canada, the United States of America,

and all other countries in and to the said Intellectual Property;

AND WHEREAS for the purposes of this Assignment and Transfer the term

"Intellectual Property" shall mean all trade secrets, confidential knowledge, data,

industrial and intellectual property and any other proprietary information in, pertaining to

or developed in relation to the inventions described in the patents and/or patent

applications listed in Schedule A annexed hereto, and/or any other subject matter listed

in Schedule A annexed hereto. By way of illustration, but not limitation, "Intellectual-

Property" includes:

a) all inventions (whether patentable or not) and embodiments thereof, technical

information, technologies, copyrights, trade-marks, official marks, industrial designs,

formulae, computer software and documentation, plans, methodologies, architectures,

lab books, algorithms, notes, protocols, logos, trade names, computer hardware,

databases, drawings, graphics, designs, apparatus, processes, materials such as cell

lines, antibodies and other tangible research materials and devices, data, results,

conclusions, observations, discoveries, patents and patent rights (including, without

limitation, utility patents, utility models, patents of addition and design patents), know

how, moral and similar rights, mask works, trade secrets, procedures, source and object

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codes, programs, other works of authorship, organisms, plasmids, expressions, vectors, advancements, developments, techniques, compounds, molecules, chemical, biological and other material and their progeny, clones and derivatives, including, without limitation all genetically-engineered plants and animals:

b) all copyrightable works of authorship; and

c) all registrations of, and applications to obtain protection for and register, any of the foregoing with any governmental authority and any renewals, re-examinations, re-issues, extensions, divisions or continuations or continuations-in-part thereof, including all applications claiming priority therefrom and all foreign counterparts, continuations and continuations-in-part of any such applications.

NOW THEREFORE, in accordance with and as required by the APS, and in consideration of the sum of \$2.00, and other good and valuable consideration, all of the foregoing being hereby acknowledged as having been received, I the Innovator by these presents hereby irrevocably assign and transfer unto SSIP the entirety of my rights, title and interests in Canada, the United States of America and all other countries in the world to the Intellectual Property, to any modifications and improvements in the Intellectual Property contemplated, conceived, made or created on or before the date of execution of this Assignment and Transfer and to all intellectual Property used specifically in aid of the conception, reduction to practice, development, implementation and commercialization of the aforementioned inventions and embodiments thereof, the aforesaid rights, title and interest to be deemed to include, without limitation, priority and other rights under international and regional conventions for the protection of intellectual and industrial property rights, and rights to assert remedies and make all claims pertaining to past interference with such rights, title and interest, including, without limitation, claims for damages with respect to any past infringement or breach of any such rights.

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And for such good and valuable consideration received, I, the Innovator, do hereby irrevocably waive all of my moral rights and similar rights associated with all works authored or created in aid of the conception, reduction to practice, development, implementation and commercialization of the Intellectual Property or embodiments thereof, including without limitation, those works to which any aforementioned copyright attaches, all in favour of SSIP and its successors in title and confirm that I retain no

I, the Innovator, further 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 intellectual property protection for any and all of the Intellectual Property and for the aforesaid additions, modifications and improvements thereto in any and all countries, and to vest title thereto in the said assignee, being SSIP, its successors, assigns and legal representatives or nominees.

rights whatsoever in such works.

I, the Innovator, acknowledge having read and understood the foregoing and having been given an opportunity to consult with legal counsel and have either done so or determined that such consultation is not necessary.

This Assignment and Transfer may be executed in any number of counterparts, each of which shall be enforceable, and all of which together shall constitute one Assignment and Transfer.

SIGNEL) as of the 8th day of May	/, 2006, at Kingston. ON/Canada. /
Witness:	95mm	& Lee
Print Name: _	Desern A. Sin	<u>Øsn-</u> Steve Iscoe
· Andrews	$f^{\prime\prime}$	
SIGNE	as of the 8th day of May	v 2006 at Toronto Ontario Canada

SANDBOX SCIENTIFIC I.P. INC.

Print Name:

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RECORDED: 09/22/2014

SCHEDULE "A"

Canadian Patent Applications #2,419,575 and #2,521,181 — "BREATHING CIRCUITS TO FACILITATE THE MEASUREMENT OF NON INVASIVE CARDIAC OUTPUT AND OTHER PHYSIOLOGICAL PARAMETERS DURING CONTROLLED AND SPONTANEOUS VENTILATION";

Country	Application/Patent Number (New Circuits)
Canada	2,419,575 and 2,521,181
Europe	EP 2004/0711970 / EP1610852
PCT	CA/2004/000220 / WO 2004/073779
India	O1031/MUMNP/2005
United States	10/545,519 / US2007/0062534
Japan	2006-501421 / 2006-518617A

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RECORDED: 05/17/2018