

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6402458

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH ARNOLD FISHER	10/30/2020
ALEX VESELY	04/30/2020
HIROSHI SASANO	10/07/2020
GEORGE VOLGYESI	10/07/2020
JANET TESLER	05/09/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THORNHILL SCIENTIFIC INC.
<b>Street Address:</b>	60 WINGOLD AVENUE
<b>City:</b>	TORONTO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M6B 1P5
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6622725
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(416)920-1350
<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>	
<b>Email:</b>	docketing@pckip.com
<b>Correspondent Name:</b>	PERRY + CURRIER INC.
<b>Address Line 1:</b>	1300 YONGE STREET
<b>Address Line 2:</b>	SUITE 500
<b>Address Line 4:</b>	TORONTO, CANADA M4T 1X3
<b>ATTORNEY DOCKET NUMBER:</b>	P6809US00
<b>NAME OF SUBMITTER:</b>	INDRA FERNANDO
<b>SIGNATURE:</b>	/Indra Fernando/
<b>DATE SIGNED:</b>	11/16/2020
<b>Total Attachments: 7</b>	
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## WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the "ASSIGNORS"):

**FISHER, Joseph Arnold – 603 Clark Ave. W. Unit 21, Thornhill, ON, L4J 8P9, CANADA**

**VESELY, Alex - 200 Elizabeth Street, Toronto, ON, M5G 2C4, CANADA**

**SASANO, Hiroshi – 505-5785 Yonge Street, Toronto, ON, M2M 4J2 CANADA**

**VOLGYESI, George – 36 Gatehead Road, Toronto, ON M2J 2P5, CANADA**

**TESLER, Janet – 118 Old Surrey Lane, Richmond Hill, ON, L4C 8S6, CANADA**

have invented a **REBREATHING CIRCUIT TO SET AND STABILIZE END TIDAL AND ARTERIAL PCO2 DESPITE VARYING LEVELS OF MINUTE VENTILATION**

("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

**Canadian Patent Application No. 2304292, Filed March 31, 2000**

**United States Patent No. 6622725, Issued September 23, 2003**

AND WHEREAS, **THORNHILL SCIENTIFIC INC.**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at **60 Wingold Avenue, Toronto, ON, M6B 1P5, CANADA**, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby confirm that ASSIGNORS have transferred, conveyed and assigned, and by way of further assurance do hereby transfer, convey and assign, any and all of ASSIGNORS's respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings

to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNORS do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNORS further agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNORS do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

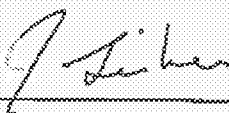
ASSIGNORS do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNORS and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: October 30, 2020

  
\_\_\_\_\_  
FISHER, Joseph Arnold

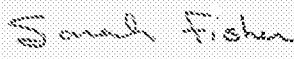
STATEMENT BY WITNESS

I, Sarah Fisher, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

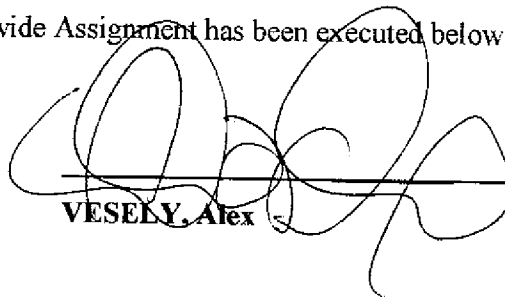
hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: October 30, 2020

  
\_\_\_\_\_  
(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 30/4/2020

  
\_\_\_\_\_  
VESELY, Alex

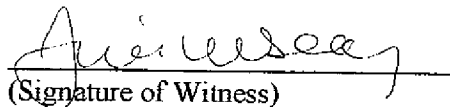
STATEMENT BY WITNESS

I, Julie Vesely, whose full Post Office address is

1870 Langworthy St, N-Vancouver, BC, V7K1W8  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: ~~March 20~~  
April 30/20  
✓

  
\_\_\_\_\_  
(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 7 Oct 2020

Hiroshi Sasano  
SASANO, Hiroshi

STATEMENT BY WITNESS

I, Hiroshi Sasano, whose full Post Office address is

501 7-8 Komatsu-cho Chikusa-ku Nagoya Aichi Japan  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 7 Oct 2020

Hiroshi Sasano  
(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned

Date: Oct 7, 2020

G. Volgyesi  
VOLGYESI, George

STATEMENT BY WITNESS

I, RENATA SLAWOSKI, whose full Post Office address is

10 GARNET JONES RD ETOBICOKE APT. 309

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: Oct 7, 2020

Slawoski  
(Signature of Witness)



IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 7, 2020

  
TESLER, Janet

STATEMENT BY WITNESS

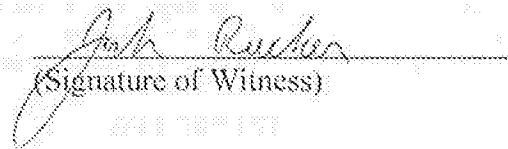
I, JOSHUA RUCKER, whose full Post Office address is

167 Theodore Place, Vaughan, ON L4J 8E3

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: May 7, 2020

  
(Signature of Witness)