

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM477700

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Thornhill Research Inc.		05/11/2018	Corporation: CANADA
RECEIVING PARTY DATA			
Name:	HSBC Bank Canada		
Street Address:	4550 Hurontario Street		
City:	Mississauga		
State/Country:	CANADA		
Postal Code:	L5R 4E4		
Entity Type:	Corporation: CANADA		
PROPERTY NUMBERS Total: 3			
Property Type	Number	Word Mark	
Registration Number:	5350960	MADM	
Registration Number:	4839108	RESPIRACT	
Registration Number:	4210346	MOVES	
CORRESPONDENCE DATA			
Fax Number:	4168656636		
<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:	4168652965		
Email:	bnakano@grllp.com		
Correspondent Name:	Bob Nakano c/o Gardiner Roberts LLP		
Address Line 1:	22 Adelaide St W.		
Address Line 4:	Toronto, CANADA M5H 4E3		
NAME OF SUBMITTER:	Doreen Anderson-Bailey		
SIGNATURE:	/ D Anderson Bailey /		
DATE SIGNED:	06/12/2018		
Total Attachments: 14			
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS AGREEMENT is made the 11th day of May, 2018, ~~2017~~

B E T W E E N:

HSBC BANK CANADA
4550 Hurontario Street, Mississauga, ON L5R 4E4
(hereinafter "HSBC")

OF THE FIRST PART,

- and -

THORNHILL RESEARCH INC.
210 Dundas Street West, Suite 200, Toronto, ON M5G 2E8
(hereinafter "Grantor")

OF THE SECOND PART.

May 11, 2018 ~~2017~~ **WHEREAS**, Grantor, as debtor, has issued a general security agreement dated as of which Grantor has granted a Security Interest (as defined in the Security Agreement) in assets of Grantor, including Intangibles (as defined in the Security Agreement), as continuing security for the payment of all past, present and future indebtedness and for the payment and performance of all other present and future obligations of Grantor to HSBC.

WHEREAS, Grantor has agreed as a condition of the Security Agreement to execute this Agreement for recording with various Intellectual Property Offices in Canada, as relevant, and other governmental authorities, including other intellectual property offices in other jurisdictions.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Grantor hereby grants, represents, warrants, covenants and agrees as follows:

1.0 **GRANT OF SECURITY INTEREST**

Grantor pledges and grants to HSBC, as part of the Security Interest, a security interest in all of Grantor's right, title and interest in, to and under Grantor's present and future intellectual property rights to its Intangibles (herein the "Intellectual Property Collateral"), the Intellectual Property Collateral including, without limitation, any and all of the following:

(1) All trademark rights, whether registered or not, trademark applications and trademark registrations, and the entire goodwill associated with such trademarks, including without limitation trademarks set forth in Schedule A attached hereto (collectively, the "Trademarks");

(2) All patents and patent applications including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of same, including without limitation patents and patent applications set forth in Schedule B attached hereto (collectively, the "Patents");

(3) All copyright rights, copyright applications, copyright registrations in each work or authorship and derivative work thereof, whether published or unpublished, now or hereafter existing, created, acquired or held, including without limitation copyrights set forth in Schedule C attached hereto (collectively, the "Copyrights");

(4) All miscellaneous intellectual property not listed in Schedules A, B, or C above, set forth in Schedule D attached hereto (collectively, the "Miscellaneous Intellectual Property"), which may include any one or more of trade secrets, intellectual property in computer software and computer software products, design rights, and any mask works;

(5) All claims for damages by way of past, present and future infringements of any intellectual property rights in any Intellectual Property Collateral, with the right, but not the obligation, to sue for and collect such damages for such use or infringement of any intellectual property rights therein;

(6) All licenses or other rights to use any of the Intellectual Property Collateral and any and all license fees and royalties arising from such use to the extent permitted by such license or rights; and

(7) All amendments, extensions, renewals and extensions of any of the Trademarks, Patents, Copyrights, or Miscellaneous Intellectual Property.

2.0 MISCELLANEOUS

(1) This Agreement has been executed and delivered by Grantor for the purpose of recording the grant of security interest herein with the Intellectual Property Office in Canada and other jurisdictions, as relevant. Grantor authorizes and requests that such Intellectual Property Offices record this Agreement against the relevant Intellectual Property Collateral. Grantor agrees to execute, acknowledge and deliver any further assignments, transfers, documents, and things (including further schedules hereto) as may be reasonably requested by HSBC in order to give effect to such recordal(s) and to pay all costs for searches and filings in connection therewith.

(2) This Agreement and the security interest is in addition to and not in substitution for any other security now or hereafter held by HSBC and shall remain in full force and effect until the indebtedness of the Security Agreement has been paid in full. Grantor does hereby acknowledge and confirm that the grant of the security interest herein to HSBC with respect to the Intellectual Property Collateral is more fully set forth in the Security Agreement, the terms and provisions of which are

incorporated by reference herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

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IN WITNESS WHEREOF this Agreement has been signed, sealed and delivered on the date set out above.

THORNHILL RESEARCH INC.

Saunderi
Witness:

Per: *Kipha P. Lede*
Name: *Kipha P. Lede*
Title: *President + CTO*

Per: *Joseph A. Fisher*
Name: *Joseph A. Fisher*
Title: *Chief Scientific Officer*

We have authority to bind the Corporation

IN WITNESS WHEREOF this Agreement has been signed, sealed and delivered on the date set out above.

THORNHILL RESEARCH INC.

Leslay Gouldie
Witness: *Leslay Gouldie*

Per: *Kipton P. Code*
Name: *Kipton P. Code*
Title: *President + CEO*

Per: *Joseph A. Fisher*
Name: *Joseph A. Fisher*
Title: *Chief Scientific Officer*

We have authority to bind the Corporation

SCHEDULE A: TRADEMARKS

See attached.

Thornhill Trademarks

TRADEMARK	COUNTRY	CURRENT OWNER	APPLICATION No.	REGISTRATION No.	STATUS
RESPIRACT	US	Thornhill Research Inc.	85/633,653	4839108	Registered; s.8 Affidavit of Continuing Use due October 27, 2021; Verify with US Attorney
RESPIRACT	CA	Thornhill Research Inc.	1,554,311	TMAA903133	Registered; Renewal due May 7, 2030
RESPIRACT	EU		010 911 808	010 911 808	Registered; Renewal may be due October 19, 2022; Verify with EU Attorney
MADM	US	Thornhill Research Inc.	86/589,553	-	Pending; SCU due; Second Extension of Time granted to May 14, 2017 to file or to request further extension. (5 extensions available total) Verify with US Attorney
BRAIN STRESS TEST	CA	Thornhill Research Inc.	1554312	-	Abandoned - March 2, 2013
MOVES	US	Thornhill Research Inc.	77672009	4210346	Registered; s.8 Affidavit of Continuing Use due September 18, 2018; Verify with US Attorney

Notes:

Canada: RESPIRACT and BRAIN STRESS TEST were the only marks uncovered for Canada as owned previously or currently by Thornhill Research Inc. No results for marks owned by Thornhill Medical.

1300 Yonge Street, Suite 500
Toronto, Canada M4T 1Y3

Perry + Quarter Inc.
Patent and Trademark Agents
T 416.920.8170
F 416.920.1350
pckip.com



United States: MOVES trademark is registered to Thornhill Research Inc. with an address of 70 Peter St., 2nd Fl. Toronto, ON M5V 2G5. Agent is David Stein. The RESPIRACT trademark also owned by Thornhill Research Inc. show an address of Suite 200, 210 Dundas Street W., Toronto, MSJ 2E8 and the Agent is Howard J. Klein. The MADM trademark also owned by Thornhill Research Inc. shows an address of Suite 200, 210 Dundas Street W., Toronto, and the Agent is Sunisha S. Choksi.

-No other marks found for US owned by either entity

EU: RESPIRACT owned by Thornhill Research Inc. with Dundas St. address; no other EU marks found owned by either of the entities.

Other: No other marks found owned by either entity in other countries at this time. To properly verify and confirm this, an extensive worldwide search would be required from a third party service provider. Please advise if necessary at this time and a quote can be sought.

SCHEDULE B: PATENTS

NIL

Matters

10-Sep-2015

FILE #	TITLE	MATTER TYPE	COUNTRY	STATUS	APPLICATION #	Comments
THQ1-164	<u>CONNECTOR AND MEDICAL DEVICE SYSTEM INCORPORATING SAME</u>	Utility - NSPCT	European Patent Office	Continuation filed	09737600.8	
THQ1-016	<u>A NEW METHOD FOR CONTINUOUS MEASUREMENT OF FLUX OF GASES IN THE LUNGS DURING BREATHING</u>	Utility - ORG	Canada	Issued	2,379,353	
THQ1-019	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	United States of America	Issued	09/380,705	
THQ1-020	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	Canada	Issued	2,283,430	
THQ1-023	<u>METHOD FOR CONTINUOUS MEASUREMENT OF FLUX OF GASES IN THE LUNGS DURING BREATHING</u>	Utility - NSPCT	United States of America	Issued	10/509,068	
THQ1-026	<u>BREATHING CIRCUITS TO FACILITATE THE MEASUREMENT OF CARDIAC OUTPUT DURING CONTROLLED AND SPONTANEOUS VENTILATION</u>	Utility - NSPCT	Canada	Issued	2,521,281	
THQ1-028	<u>BREATHING CIRCUITS TO FACILITATE THE MEASUREMENT OF CARDIAC OUTPUT DURING CONTROLLED AND SPONTANEOUS VENTILATION</u>	Utility - NSPCT	United States of America	Issued	10/545,519	
THQ1-035	<u>A NEW METHOD OF MEASURING CARDIAC RELATED PARAMETERS NON-INVASIVELY WITH SPONTANEOUS AND CONTROLLED VENTILATION</u>	Utility - NSPCT	Canada	Issued	2,522,623	
THQ1-038	<u>AN APPARATUS ADAPTED TO AUTOMATE THE MEASUREMENT OF PULMONARY BLOOD FLOW IN A SUBJECT</u>	Utility - NSPCT	Japan	Issued	2006501423	
THQ1-039	<u>METHOD OF MEASURING CARDIAC RELATED PARAMETERS NON-INVASIVELY VIA THE LUNG DURING SPONTANEOUS AND CONTROLLED VENTILATION</u>	Utility - NSPCT	United States of America	Issued	10/545,562	
THQ1-077	<u>METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET END TIDAL GAS CONCENTRATIONS</u>	Utility - NSPCT	United States of America	Issued	11/997,100	
THQ1-079	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET END TIDAL GAS CONCENTRATIONS</u>	Utility - NSPCT	Japan	Issued	2008-523091	
THQ1-102	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	United States of America	Issued	10/050,392	MF due. Instructions provided to allow to lapse
THQ1-103	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	China	Issued	97182156.9	
THQ1-104	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	European Patent Office	Issued	97906959.8	
THQ1-105	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - NSPCT	Republic of Korea	Issued	1015997008559	
THQ1-106	<u>A BREATHING CIRCUIT SYSTEM AND AN APPARATUS FOR VENTILATING A PATIENT</u>	Utility - ORG	Hong Kong	Issued	00105132.6	
THQ1-109	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - EPPAT	France	Issued	973572	
THQ1-110	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - EPPAT	Germany	Issued	0	
THQ1-111	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - EPPAT	Italy	Issued	973572	
THQ1-112	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - EPPAT	Spain	Issued	973572	
THQ1-113	<u>ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - EPPAT	United Kingdom	Issued	973572	
THQ1-114	<u>REBREATHING CIRCUIT TO SET AND STABILIZE END TIDAL AND ARTERIAL PCO2 DESPITE VARYING LEVELS OF MINUTE VENTILATION</u>	Utility - ORG	United States of America	Issued	09/676,899	
THQ1-115	<u>PORTABLE ISOCAPNIA CIRCUIT AND ISOCAPNIA METHOD</u>	Utility - CIP	United States of America	Issued	10/093,797	
THQ1-116	<u>METHOD OF MAINTAINING CONSTANT ARTERIAL PCO2 AND MEASUREMENT OF ANATOMIC AND ALVEOLAR DEAD SPACE</u>	Utility - ORG	United States of America	Issued	10/135,655	
THQ1-117	<u>METHOD OF MAINTAINING CONSTANT ARTERIAL PCO2 AND MEASUREMENT OF ANATOMIC AND ALVEOLAR DEAD SPACE</u>	Utility - CIP	United States of America	Issued	10/838,483	
THQ1-120	<u>REBREATHING CIRCUIT</u>	Utility - NSPCT	European Patent Office	Issued	01919026.3	
THQ1-121	<u>REBREATHING CIRCUIT</u>	Utility - EPPAT	Germany	Issued	019190263	
THQ1-122	<u>REBREATHING CIRCUIT</u>	Utility - EPPAT	France	Issued	019150263	

THQ1-123	<u>REBREATHING CIRCUIT</u>	Utility - EPPAT	United Kingdom	Issued	019190263
THQ1-134	<u>PORTABLE LIFE SUPPORT APPARATUS</u>	Utility - NSPCT	Australia	Issued	2007314070
THQ1-018	<u>AN IMPROVED REBREATHING CIRCUIT TO SET AND STABILIZE END TIDAL AND ARTERIAL PCO2 DESPITE VARYING LEVELS OF MINUTE VENTILATION</u>	Utility - ORG	Canada	Lapsed	2,304,292
THQ1-043	<u>METHOD AND APPARATUS FOR INDUCING AND CONTROLLING HYPOXIA</u>	Prov - ORG	United States of America	Lapsed	60/656,584
THQ1-097	<u>PARTICULATE BLOCKING OXYGEN DELIVERY MASK</u>	Utility - NSPCT	Canada	Lapsed	2,626,578
THQ1-159	<u>ENDOTRACHEAL CUFF PRESSURE REGULATION CIRCUIT AND METHOD</u>	Prov - ORG	United States of America	Lapsed	61/329,776
THQ1-041	<u>GENERAL</u>	Miscellaneous	Canada	Open	
THQ1-015	<u>IMPROVED METHOD FOR ISOCARNIA INCLUDING ELIMINATION OF VAPOUR ANAESTHETICS FROM PATIENTS AFTER SURGICAL PROCEDURES</u>	Utility - ORG	Canada	Pending	2,346,517
THQ1-027	<u>BREATHING CIRCUITS TO FACILITATE THE MEASUREMENT OF CARDIAC OUTPUT DURING CONTROLLED AND SPONTANEOUS VENTILATION</u>	Utility - NSPCT	European Patent Office	Pending	04711970.6
THQ1-075	<u>PORTABLE LIFE SUPPORT APPARATUS</u>	Utility - NSPCT	European Patent Office	Pending	07815117.2
THQ1-134	<u>IMPROVED METHOD OF MAINTAINING CONSTANT ARTERIAL PCO2 DURING INCREASED MINUTE VENTILATION AND MEASUREMENT OF ANATOMIC AND ALVEOLAR DEAD SPACE</u>	Utility - NSPCT	European Patent Office	Pending	02727094.1
THQ1-135	<u>PORTABLE LIFE SUPPORT APPARATUS</u>	Utility - NSPCT	Canada	Pending	2,668,055
THQ1-137	<u>PORTABLE LIFE SUPPORT APPARATUS</u>	Utility - NSPCT	United States of America	Pending	12/513,322
THQ1-163	<u>CONNECTOR AND MEDICAL DEVICE SYSTEM INCORPORATING SAME</u>	Utility - NSPCT	United States of America	Pending	12/990,564
THQ1-181	<u>CONNECTOR AND MEDICAL DEVICE SYSTEM INCORPORATING SAME</u>	Utility - NSPCT	Canada	Pending	2,760,822
THQ1-187	<u>NON-INVASIVE ARTERIAL BLOOD GAS DETERMINATION</u>	Utility - ORG	United States of America	Pending	13/367,225
THQ1-188	<u>CONNECTOR SYSTEM FOR MEDICAL DEVICE</u>	Utility - NSPCT	United States of America	Pending	13/395,624
THQ1-189	<u>CONNECTOR SYSTEM FOR MEDICAL DEVICE</u>	Utility - NSPCT	European Patent Office	Pending	10 814 855.2
THQ1-191	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - ORG	PCT	Pending	PCT/CA2012/000351
THQ1-192	<u>ACCURATE TIDAL VOLUME MEASUREMENT</u>	Utility - ORG	PCT	Pending	PCT/CA2012/006876
THQ1-193	<u>RESPIRACT</u>	Trademark - ORG	United States of America	Pending	85/633,659
THQ1-195	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS</u>	Utility - ORG	PCT	Pending	PCT/CA2012/001123
THQ1-200	<u>NON-INVASIVE CARDIAC OUTPUT DETERMINATION</u>	Utility - NSPCT	United States of America	Pending	13/697,768
THQ1-201	<u>NON-INVASIVE CARDIAC OUTPUT DETERMINATION</u>	Utility - NSPCT	European Patent Office	Pending	11 782 808.7
THQ1-202	<u>ENDOTRACHEAL CUFF PRESSURE REGULATION CIRCUIT AND METHOD</u>	Utility - NSPCT	Canada	Pending	2,797,852
THQ1-207	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - ORG	PCT	Pending	PCT/CA2013/000266
THQ1-208	<u>ANESTHETIC DELIVERY SYSTEM</u>	Utility - ORG	PCT	Pending	PCT/CA2013/000286
THQ1-209	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - ORG	PCT	Pending	PCT/CA2013/000427
THQ1-210	<u>CONTROLLING ARTERIAL BLOOD GAS CONCENTRATION</u>	Prov - ORG	United States of America	Pending	61/831,492
THQ1-213	<u>METHOD OF MEASURING CARDIAC RELATED PARAMETERS NON-INVASIVELY VIA THE LUNG DURING SPONTANEOUS AND CONTROLLED VENTILATION</u>	Utility - CON	United States of America	Pending	13/914,292
THQ1-214	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	United States of America	Pending	14/111,993
THQ1-215	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	Canada	Pending	2,833,018
THQ1-216	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	India	Pending	2114/MUMNP/2013
THQ1-217	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	China	Pending	201290028698.7
THQ1-218	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	Japan	Pending	2014-304126
THQ1-219	<u>GAS DELIVERY METHOD AND APPARATUS</u>	Utility - NSPCT	European Patent Office	Pending	12 772 038.1
THQ1-221	<u>ASSESSMENT OF CORONARY HEART DISEASE WITH CARBON DIOXIDE</u>	Utility - CIP	United States of America	Pending	US201914075918
THQ1-225	<u>ASSESSMENT OF CORONARY HEART DISEASE WITH CARBON DIOXIDE</u>	Utility - NSPCT	Australia	Pending	
THQ1-226	<u>ASSESSMENT OF CORONARY HEART DISEASE WITH CARBON DIOXIDE</u>	Utility - NSPCT	Republic of Korea	Pending	
THQ1-228	<u>ASSESSMENT OF CONCUSSION WITH PROVOCATIVE CARBON DIOXIDE CHALLENGE</u>	Prov - ORG	United States of America	Pending	61/910,776
THQ1-229	<u>IMAGING ABNORMALITIES IN VASCULAR RESPONSE</u>	Prov - ORG	United States of America	Pending	61/984,617

THQ1-230	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS</u>	Utility - NSPCT	Canada	Pending	2,861,505
THQ1-231	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS</u>	Utility - NSPCT	United States of America	Pending	
THQ1-232	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS</u>	Utility - NSPCT	European Patent Office	Pending	12856262.6
THQ1-233	<u>CONTROLLING ARTERIAL BLOOD GAS CONCENTRATION</u>	Utility - ORG	PCT	Pending	PCT/CA2014/000473
THQ1-237	<u>BREATHING CIRCUITS TO FACILITATE THE MEASUREMENT OF CARDIAC OUTPUT DURING CONTROLLED AND SPONTANEOUS VENTILATION</u>	Utility - DIV	United States of America	Pending	14/500,597
THQ1-238	<u>CONNECTOR AND MEDICAL DEVICE SYSTEM INCORPORATING SAME</u>	Utility - CON	United States of America	Pending	14/508,594
THQ1-239	<u>MADM</u>	Trademark - ORG	United States of America	Pending	86/589,553
THQ1-241	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	Canada	Pending	2,867,745
THQ1-242	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	United States of America	Pending	
THQ1-243	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	Japan	Pending	
THQ1-244	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	Israel	Pending	234765
THQ1-245	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	China	Pending	
THQ1-246	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	Australia	Pending	2013234834
THQ1-247	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	European Patent Office	Pending	
THQ1-248	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	Republic of Korea	Pending	
THQ1-249	<u>VIRTUAL RESPIRATORY GAS DELIVERY SYSTEMS AND CIRCUITS</u>	Utility - NSPCT	India	Pending	2064/MUMNP/2014
THQ1-250	<u>PORTABLE LIFE SUPPORT APPARATUS</u>	Utility - DIV	Australia	Pending	2014221257
THQ1-251	<u>ANESTHETIC DELIVERY SYSTEM</u>	Utility - NSPCT	Canada	Pending	2,868,857
THQ1-252	<u>ANESTHETIC DELIVERY SYSTEM</u>	Utility - NSPCT	United States of America	Pending	
THQ1-253	<u>ANESTHETIC DELIVERY SYSTEM</u>	Utility - NSPCT	European Patent Office	Pending	13768347.0
THQ1-254	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	United States of America	Pending	14/398,034
THQ1-255	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	European Patent Office	Pending	13784953.5
THQ1-256	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	Canada	Pending	2,872,055
THQ1-257	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	Japan	Pending	
THQ1-259	<u>IMAGING REDUCTIONS IN CEREBROVASCULAR REACTIVITY</u>	Utility - ORG	United States of America	Pending	14/614,310
THQ1-260	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	India	Pending	
THQ1-261	<u>A NEW METHOD AND APPARATUS TO ATTAIN AND MAINTAIN TARGET ARTERIAL BLOOD GAS CONCENTRATIONS USING RAMP SEQUENCES</u>	Utility - NSPCT	Republic of Korea	Pending	
THQ1-262	<u>IMAGING ABNORMALITIES IN VASCULAR RESPONSE</u>	Utility - ORG	PCT	Pending	PCT/CA2015/000274
THQ1-185	<u>RESPIRACT</u>	Trademark - ORG	Canada	Registered	1,554,311
THQ1-194	<u>RESPIRACT</u>	Trademark - ORG	European Union	Registered	010 911 808
THQ1-227	<u>RESPIRACT FOR TRAUMATIC BRAIN INJURY</u>	Prov - ORG	United States of America	Unfiled	
THQ1-236	<u>EQUILIBRATING ARTERIAL AND MIXED VENOUS PCO2</u>	Utility - ORG	Canada	Unfiled	

SCHEDULE C: COPYRIGHTS

NIL

SCHEDULE D: MISCELLANEOUS INTELLECTUAL PROPERTY

NIL

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