

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5660378

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PO-YEN LIU	05/06/2019
IVAN CHIH-FAN TENG	05/02/2019
PETER ALAN SEEKUP	05/03/2019
DANIEL JOHN SMITH	05/06/2019
HO SHING LO	05/02/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>Street Address:</b>	15 MAURICE PAYKEL PLACE
<b>Internal Address:</b>	EAST TAMAKI
<b>City:</b>	AUCKLAND
<b>State/Country:</b>	NEW ZEALAND
<b>Postal Code:</b>	2013
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16340590
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<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>Phone:</b>	9497600404
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE, MARTENS, OLSON & BEAR, LLP
<b>Address Line 1:</b>	2040 MAIN STREET, 14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	FPHCR.743NP
<b>NAME OF SUBMITTER:</b>	XIAOYAN WANG
<b>SIGNATURE:</b>	/Xiaoyan Wang/
<b>DATE SIGNED:</b>	08/08/2019
<b>Total Attachments: 7</b>	

source=FPHCR743NP\_Declaration\_Assignment#page1.tif  
source=FPHCR743NP\_Declaration\_Assignment#page2.tif  
source=FPHCR743NP\_Declaration\_Assignment#page3.tif  
source=FPHCR743NP\_Declaration\_Assignment#page4.tif  
source=FPHCR743NP\_Declaration\_Assignment#page5.tif  
source=FPHCR743NP\_Declaration\_Assignment#page6.tif  
source=FPHCR743NP\_Declaration\_Assignment#page7.tif

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))***Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 1 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

***Inventor Declaration***

This Declaration is directed to the above-identified application and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.
- I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.
- I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Inventor Assignment***

WHEREAS, **above-identified inventors** (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries (collectively hereinafter referred to as the "Work"), and hereby assign or are under an obligation to assign to the below-identified Assignee the above-identified application for which an application for Letters Patent in the United States (hereinafter the "Application"), which has been filed with the United States Patent and Trademark Office.

AND WHEREAS, **Fisher & Paykel Healthcare Limited**, with its principal place of business at 15 Maurice Paykel Place, East Tamaki, Auckland 2013, New Zealand (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include:

- all provisional applications relating thereto (such as U.S. Provisional Application No. 62/406720, filed on October 11, 2016);
- all foreign applications relating thereto (such as International Patent Application No. PCT/NZ2017/050132, filed on October 11, 2017);
- all nonprovisional applications claiming priority to any of the aforementioned provisional applications, foreign application, and/or the Application, including all divisions, continuations, continuations-in-part thereof;
- all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof; and

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))***Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 2 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

- all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work, including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

**[SIGNATURES BEGIN ON NEXT PAGE]**

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR,743NP

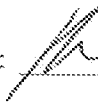
Page 3 of 7

Application No.: 16/340,590; Filed: April 9, 2019

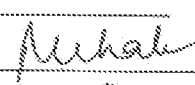
Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

Legal Name of inventor: Po-Yen Liu

Signature: 

Date: 06 MAY 2019

Witnessed by: 

Witness Name (printed):

MEHAK KAPOOR

**PATENT**

**REEL: 050005 FRAME: 0272**

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 4 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

Legal Name of inventor: Ivan Chih-Fan Teng

Signature: \_\_\_\_\_

*Ivan Teng*

Date: \_\_\_\_\_

*2 MAY 2019*

Witnessed by: \_\_\_\_\_

*Mehal*

Witness Name (printed): \_\_\_\_\_

*MEHAL KAPOR*

**PATENT**

**REEL: 050005 FRAME: 0273**

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 5 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

Legal Name of inventor: ~~Peter Alan Seekup~~

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Witness Name (printed): \_\_\_\_\_

3 May 2019

Mehar

MEHAR KAPOOR

**PATENT**

**REEL: 050005 FRAME: 0274**

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 6 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

Legal Name of inventor: Daniel John Smith

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

6 May 2019

Witnessed by: \_\_\_\_\_

MEHAK

Witness Name (printed): \_\_\_\_\_

MEHAK LABOIX

**PATENT**

**REEL: 050005 FRAME: 0275**



**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: FPHCR.743NP

Page 7 of 7

Application No.: 16/340,590; Filed: April 9, 2019

Title: METHOD OF DETECTING ERRORS IN THE CONNECTIONS IN A HUMIDIFICATION SYSTEM

Inventors: Po-Yen Liu, Ivan Chih-Fan Teng, Peter Alan Seekup, Daniel John Smith, and Ho Shing Lo

**Legal Name of inventor: Ho Shing Lo**

Signature: \_\_\_\_\_

Date: 02 May 2019

Witnessed by: \_\_\_\_\_

Witness Name (printed): \_\_\_\_\_

MEHAK KAROOR

30298520