

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| CHRISTIAN GERT BLUCHEL | 01/22/2018 |
| PETER HAYWOOD | 01/22/2018 |
| RECEIVING PARTY DATA | |
| Name: | TEMASEK POLYTECHNIC |
| Street Address: | 21 TAMPINES AVENUE 1 |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 529757 |
| Name: | AWAK TECHNOLOGIES PTE LTD |
| Street Address: | 21 TAMPINES AVENUE 1 |
| Internal Address: | BLOCK 24 #03-75 |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 529757 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16466138 |
| CORRESPONDENCE DATA | |
| Fax Number: | (770)951-0933 |
| <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: | 7709339500 |
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| Correspondent Name: | THOMAS HORSTEMEYER, LLP |
| Address Line 1: | 3200 WINDY HILL ROAD, SE |
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| ATTORNEY DOCKET NUMBER: | 691305-1050 |
| NAME OF SUBMITTER: | JOHN L. LYON |

| | |
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| SIGNATURE: | /John L. Lyon/ |
| DATE SIGNED: | 01/13/2020 |
| Total Attachments: 3 source=2020-01-13_SP100981USZ__691305-1050__Executed_Assignment#page1.tif source=2020-01-13_SP100981USZ__691305-1050__Executed_Assignment#page2.tif source=2020-01-13_SP100981USZ__691305-1050__Executed_Assignment#page3.tif | |

ASSIGNMENT

WHEREAS, Christian Gert BLUCHEL, a citizen of Germany of c/o Temasek Polytechnic, 21 Tampines Avenue 1, Singapore 529757,

Peter HAYWOOD, a citizen of Australia of c/o AWAK Technologies Pte Ltd, 21 Tampines Avenue 1, Block 24 #03-75, Singapore 529757,

(hereinafter referred to as 'ASSIGNORS') have invented an improvement in SORBENT FOR A DIALYSIS DEVICE AND DIALYSIS SYSTEM (file FP9240) and have executed a PCT application based thereon filed 5 December 2017 under application number PCT/SG2017/050599;

AND, WHEREAS, Temasek Polytechnic, a company organized and existing under the laws of Singapore of 21 Tampines Avenue 1, Temasek Polytechnic, Singapore 529757,

AND, WHEREAS, AWAK Technologies Pte Ltd, a company organized and existing under the laws of Singapore of 21 Tampines Avenue 1, Block 24 #03-75, Singapore 529757,

(hereinafter referred to as ASSIGNEES) is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one Singapore dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, ASSIGNORS have agreed to and do hereby sell, assign and transfer unto said ASSIGNEES the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said PCT application, any United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said PCT application or in whole or in part on said invention, any foreign applications based in whole or in part on said PCT application or in whole or in part on said invention, including the right to claim priority therefrom, and any right to priority claimed in said PCT application, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEES, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had no sale and assignment of said interest been made;

AND ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon any United States patent applications based in whole or in part on the aforesaid PCT application, or upon said invention or any part thereof, to said ASSIGNEES;

AND ASSIGNORS hereby jointly and severally agree for themselves and for their respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEES fully to secure to said ASSIGNEES its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND ASSIGNORS hereby jointly and severally covenant for themselves and their respective legal representatives that no right or license has been granted to make, use or sell said invention, to anyone except said ASSIGNEES, that prior to the execution of this agreement the right, title and interest in said invention had not been otherwise encumbered, and that no instrument will be executed in conflict herewith.

IN WITNESSETH thereof this agreement has been executed by ASSIGNORS and duly authorized representatives of ASSIGNEES.



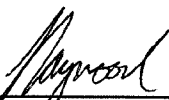
Name: Christian Gert BLUCHEL
Date: 22/1/18

Dennis Chan
Research & Technology Development
Temasek Polytechnic



Witness:

23/1/2018



Name: Peter HAYWOOD
Date: 22/1/18



Witness:

22-JAN-18

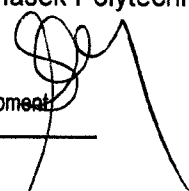
JOEL FERNANDES

For and on behalf of Temasek Polytechnic

Song Kwok Yuen
Director
Research & Technology Development
Temasek Polytechnic

Name:
Position:

Date: 23/1/2018



Dennis Chan
Research & Technology Development
Temasek Polytechnic



Witness:

23/1/2018

For and on behalf of AWAK Technologies Pte Ltd

 BV

Name: Surekha Venkataraya
Position: CEO
Date: 22 JAN 2018

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Witness: JOEL FERNANDEZ
22 JAN 2018