

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7854386

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AKASH PREMKUMAR	03/01/2023
ELLIE NG	03/01/2023
MICHELLE DUNDEK	02/22/2023
THOMAS BURKE	02/22/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VAYU GLOBAL HEALTH INNOVATIONS, LLC
<b>Street Address:</b>	22 WELGATE ROAD
<b>City:</b>	MEDFORD
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02155
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17444797
<b>Application Number:</b>	63063693
<b>PCT Number:</b>	US2171149
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	617-420-0079
<b>Email:</b>	docketing@intrinsiclaw.com
<b>Correspondent Name:</b>	INTRINSIC LAW CORP.
<b>Address Line 1:</b>	12 GILL STREET, SUITE 1900
<b>Address Line 4:</b>	WOBURN, MASSACHUSETTS 01801
<b>ATTORNEY DOCKET NUMBER:</b>	VAYU.USPAT.0200
<b>NAME OF SUBMITTER:</b>	IBRAHIM M. HALLAJ
<b>SIGNATURE:</b>	/Ibrahim M. Hallaj/
<b>DATE SIGNED:</b>	03/20/2023
<b>Total Attachments: 8</b>	

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## ASSIGNMENT

I, Akash Premkumar, the undersigned ("ASSIGNOR"), for good and valuable consideration, the receipt of which is hereby acknowledged, agree to and hereby do assign, sell, and transfer to Vayu Global Health Innovations, LLC, with an office located at 22 Welgate Road, Medford, MA 02155 USA, and to its successors, assigns and legal representatives, all hereinafter referred to as the "ASSIGNEE":

(1) my entire right, title, and interest for the United States and all other countries and jurisdictions, in and to any and all inventions, discoveries, intellectual property, and patent applications which are disclosed in the application for United States Letters Patent entitled:

### GAS FILTER HOUSING WITH REPLACEABLE GAS FILTER MEDIA FOR MEDICAL VENTILATION SYSTEMS

filed with the U.S. Patent and Trademark Office on August 10, 2021 and bearing Serial No. 17/444,797, including any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part and divisions thereof, and any substitute applications, whether in the United States or elsewhere, such as International Application No. PCT/US2021/071149 filed August 10, 2021, as well as Provisional Application Serial No. 63/063,693 filed August 10, 2020, and any related patent applications thereof;

(2) the full and complete right to file patent applications in the name of ASSIGNEE, its designees, or in our names at the election of ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world;

(3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country of the world, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and

(4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this Assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof. I agree to cooperate to the extent possible with any efforts by ASSIGNEE or its successors or assigns in prosecution of said applications and patent rights and, if called on, to cooperate and assist in enforcement of said rights throughout the world.

I further agree, at any time, to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent rights on said inventions, discoveries and applications throughout the world, and otherwise to do that necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this Assignment, transfer and sale as may be requested of me.

I hereby covenant that no Assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment or adversely affect its validity.

I also covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its successors in interest, or legal representatives thereof any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, the rights in said inventions, and said Letters Patent and said equivalents thereof which may be necessary or desired to carry out the purposes thereof.

Akash Premkumar

03/01/2023

ASSIGNOR Signature

Date

Akash Premkumar

ASSIGNOR Name

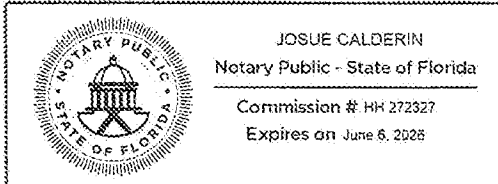
Florida

Hillsborough

State or Commonwealth

County

Subscribed and sworn to before me this 1st day of March, 2023:  
State of Florida County of Hillsborough 03/01/2023



Josue Calderin  
Josue Calderin  
HH 272327  
06/06/2026  
Online Notary

Josue Calderin Online Notary  
Notary Public  
Notarized online using audio-video communication  
06/06/2026

Sworn to (or affirmed) and subscribed before me by means of online notarization,  
this 03/01/2023 by Akash Premkumar.

My commission expires on (date)  
\_\_\_\_ Personally Known OR ☒ Produced Identification  
Type of Identification Produced DRIVER LICENSE

Transfer Accepted (on behalf of Vayu Global Health Innovations, LLC) by:

Thomas Burke

March 1, 2023

ASSIGNEE Signature

President and CEO

ASSIGNEE Name

Title

## ASSIGNMENT

I, **Ellie Ng**, the undersigned ("ASSIGNOR"), for good and valuable consideration, the receipt of which is hereby acknowledged, agree to and hereby do assign, sell, and transfer to **Vayu Global Health Innovations, LLC**, with an office located at **22 Welgate Road, Medford, MA 02155 USA**, and to its successors, assigns and legal representatives, all hereinafter referred to as the "ASSIGNEE":

(1) my entire right, title, and interest for the United States and all other countries and jurisdictions, in and to any and all inventions, discoveries, intellectual property, and patent applications which are disclosed in the application for United States Letters Patent entitled:

### **GAS FILTER HOUSING WITH REPLACEABLE GAS FILTER MEDIA FOR MEDICAL VENTILATION SYSTEMS**

filed with the U.S. Patent and Trademark Office on **August 10, 2021** and bearing Serial No. **17/444,797**, including any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part and divisions thereof, and any substitute applications, whether in the United States or elsewhere, such as International Application No. **PCT/US2021/071149** filed August 10, 2021, as well as Provisional Application Serial No. **63/063,693** filed August 10, 2020, and any related patent applications thereof;

(2) the full and complete right to file patent applications in the name of ASSIGNEE, its designees, or in our names at the election of ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world;

(3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country of the world, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and

(4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this Assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof. I agree to cooperate to the extent possible with any efforts by ASSIGNEE or its successors or assigns in prosecution of said applications and patent rights and, if called on, to cooperate and assist in enforcement of said rights throughout the world.

I further agree, at any time, to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent rights on said inventions, discoveries and applications throughout the world, and otherwise to do that necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this Assignment, transfer and sale as may be requested of me.

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ASSIGNOR Signature

Ellie Ng

ASSIGNOR Name

March 1, 2023

Date

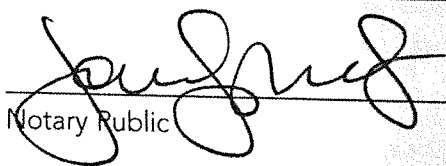
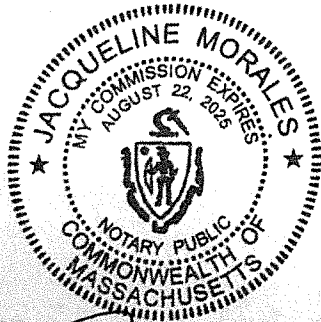
Massachusetts

State or Commonwealth

Suffolk

County

Subscribed and sworn to before me this 01 day of March, 2023:

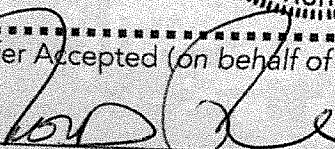


Notary Public

August 22, 2025

My commission expires on (date)

Transfer Accepted (on behalf of Vayu Global Health Innovations, LLC) by:



ASSIGNEE Signature

Thomas Burke

ASSIGNEE Name

March 1, 2023

Date

President and CEO

Title

## ASSIGNMENT

I, Michelle Dundek, the undersigned ("ASSIGNOR"), for good and valuable consideration, the receipt of which is hereby acknowledged, agree to and hereby do assign, sell, and transfer to Vayu Global Health Innovations, LLC, with an office located at 22 Welgate Road, Medford, MA 02155 USA, and to its successors, assigns and legal representatives, all hereinafter referred to as the "ASSIGNEE":

(1) my entire right, title, and interest for the United States and all other countries and jurisdictions, in and to any and all inventions, discoveries, intellectual property, and patent applications which are disclosed in the application for United States Letters Patent entitled:

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filed with the U.S. Patent and Trademark Office on August 10, 2021 and bearing Serial No. 17/444,797, including any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part and divisions thereof, and any substitute applications, whether in the United States or elsewhere, such as International Application No. PCT/US2021/071149 filed August 10, 2021, as well as Provisional Application Serial No. 63/063,693 filed August 10, 2020, and any related patent applications thereof;

(2) the full and complete right to file patent applications in the name of ASSIGNEE, its designees, or in our names at the election of ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world;

(3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country of the world, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and

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Attorney Docket No.: VAYU.USPAT.0200

I further agree, at any time, to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent rights on said inventions, discoveries and applications throughout the world, and otherwise to do that necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this Assignment, transfer and sale as may be requested of me.

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Michelle Dundek  
ASSIGNOR Signature

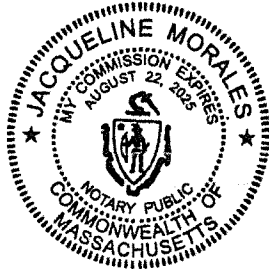
2/22/23  
Date

Michelle Dundek  
ASSIGNOR Name

Massachusetts  
State or Commonwealth

Suffolk  
County

Subscribed and sworn to before me this 22 day of February, 2023:



[Signature]  
Notary Public  
August 22, 2025  
My commission expires on (date)

.....  
Transfer Accepted (on behalf of Vayu Global Health Innovations, LLC) by:

\_\_\_\_\_  
ASSIGNEE Signature  
Thomas Burke  
ASSIGNEE Name

\_\_\_\_\_  
Date  
\_\_\_\_\_  
President and CEO  
\_\_\_\_\_  
Title



## ASSIGNMENT

I, Thomas Burke, the undersigned ("ASSIGNOR"), for good and valuable consideration, the receipt of which is hereby acknowledged, agree to and hereby do assign, sell, and transfer to Vayu Global Health Innovations, LLC, with an office located at 22 Welgate Road, Medford, MA 02155 USA, and to its successors, assigns and legal representatives, all hereinafter referred to as the "ASSIGNEE":

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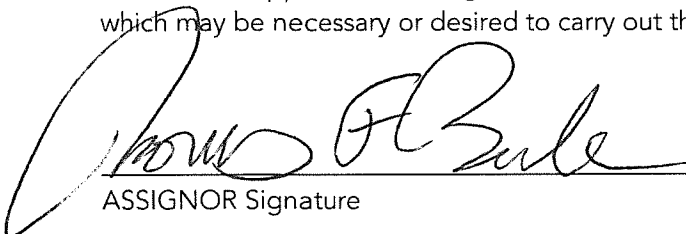
I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this Assignment, sale and transfer not been made.

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\_\_\_\_\_  
ASSIGNOR Signature

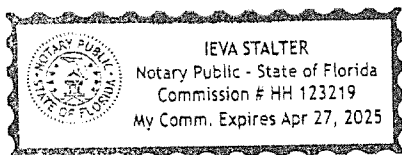
February 22, 2023  
\_\_\_\_\_  
Date

Thomas Burke  
\_\_\_\_\_  
ASSIGNOR Name

Florida  
\_\_\_\_\_  
State or Commonwealth

Palm Beach  
\_\_\_\_\_  
County


Subscribed and sworn to before me this 22 day of February, 2023:



  
\_\_\_\_\_  
Notary Public

04/27/25  
\_\_\_\_\_  
My commission expires on (date)

.....  
Transfer Accepted (on behalf of Vayu Global Health Innovations, LLC) by:

  
\_\_\_\_\_  
ASSIGNEE Signature  
  
Thomas Burke  
\_\_\_\_\_  
ASSIGNEE Name

Feb 22, 2023  
\_\_\_\_\_  
Date  
  
President and CEO  
\_\_\_\_\_  
Title