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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHALV MADHANI	07/14/2016
BRIAN JOSEPH FRANKOWSKI	07/14/2016
WILLIAM J. FEDERSPIEL	07/14/2016

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17328049

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ATTORNEY DOCKET NUMBER:	15-009US_C
NAME OF SUBMITTER:	HENRY E. BARTONY JR.
SIGNATURE:	/Henry E. Bartony, Jr., Reg. No. 34,772/
DATE SIGNED:	05/27/2021

Total Attachments: 3

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PATENT REEL: 056378 FRAME: 0595 source=Assign_PITT_Exe_15-009PCT#page2.tif source=Assign_PITT_Exe_15-009PCT#page3.tif

PATENT REEL: 056378 FRAME: 0596

ASSIGNMENT

WHEREAS, **SHALV MADHANI**, a citizen of India and resident of the United States of America, whose address is 5437 Ellsworth Avenue, Apt 116, Pittsburgh, Pennsylvania 15232 United States of America, **BRIAN JOSEPH FRANKOWSKI**, a citizen and resident of the United States of America, whose address is 570 Engelman Drive, Imperial, Pennsylvania 15126 United States of America, **WILLIAM J. FEDERSPIEL**, a citizen and resident of the United States of America, whose address is 609 Suismon Street, Pittsburgh, Pennsylvania 15212 United States of America, (hereinafter referred to as ASSIGNORS, have invented and own a certain invention or inventions related to

EXTRACORPOREAL AMBULATORY ASSIST LUNG

which is/are described in an International PCT Patent Application filed on **June 23**, **2016** under application No **PCT/US2016/38957**,

WHEREAS, **University of Pittsburgh - Of the Commonwealth System of Higher Education**, a non-profit corporation of the Commonwealth of Pennsylvania, organized and existing under the laws of the State of Pennsylvania and having a place of business at 200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention(s) and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that In consideration of the rights and obligations of the ASSIGNORS under the University of Pittsburgh Patent Policy and Procedure and of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention(s) in the United States and its territorial possessions and in all foreign countries, said application, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention(s) by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks and any corresponding foreign officer to issue to ASSIGNEE, its successors, assigns and legal representatives, any and all United States and foreign Letters Patent on said invention(s).

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNORS further covenant that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNORS will: 1) promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s), said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof; 2) execute, for all countries, all divisions, reissues, reexaminations, continuations,

PATENT REEL: 056378 FRAME: 0597 renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNORS relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment not been made.

This Assignment of Invention, effective as of **June 23, 2016**, may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

	IN WITNESS WHEREOF,	/ WE have hereunto set hand and seal on dates given
below	,	
Date: 7 - 19	-2016	Signature of ASSIGNOR(S) SHALV MADHANI
Date: <u>07-/</u> 4	'- <u>J0/6</u>	Signature of ASSIGNOR(S) BRIAN JOSEPH FRANKOWSKI
Date:		Signature of ASSIGNOR(S)WILLIAM J. FEDERSPIEL

renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNORS relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment not been made.

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IN WITNESS WHEREOF, I / WE have hereunto set hand and seal on dates given below

Date:	Signature of ASSIGNOR(S) SHALV MADHANI
Date:	Signature of ASSIGNOR(S)
Date: <u>7-14-20</u> 16	Signature of ASSIGNOR(S) WILLIAM J. FEDERSPIEL

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.