

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANDRASHEKAR NATARAJ	01/25/2022
ALFONSO ORTEGA	01/26/2022
GARRETT CLAYTON	01/27/2022
CHRISTOPHER TOWNEND	01/27/2022
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State/Country:	PENNSYLVANIA
Postal Code:	19085
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17412712
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DATE SIGNED:	01/31/2022
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, We, **Chandrasekhar Nataraj, Alfonso Ortega, Garrett Clayton, and Christopher Townend** ("ASSIGNORS"), have invented subject matter disclosed and/or claimed in a patent application entitled **MECHANICAL VENTILATOR APPARATUSES AND METHODS THEREOF**, which was filed as U.S. Patent Application Serial No. **17/412,712**, on **August 26, 2021**, and claims priority of U.S. Provisional Patent Application Serial No. **63/070,467**, on **August 26, 2020** ("APPLICATION").

AND WHEREAS, **Villanova University**, with its principal place of business at 800 E Lancaster Avenue, Villanova, PA 19085, is entitled to acquire the entire right, title and interest of the above-identified inventors in and to the APPLICATION:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, ASSIGNORS do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Villanova University**, its successors, legal representatives and assigns, our entire right, title and interest throughout the world in, to and under the said APPLICATION and all divisions, renewals, and continuations thereof, all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for improvements thereof in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and ASSIGNORS hereby authorize and request 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 Letters Patent for said improvements to the said **Villanova University**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS HEREBY covenant and agree that we will communicate to the said **Villanova University**, its successors, legal representatives, and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Villanova University**, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.



Chandrasekhar Nataraj

01/25/2022

Date

Alfonso Ortega

Date

Garrett Clayton

Date

Christopher Townend

Date

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Chandrasekhar Nataraj

Date

Digitally signed by Alfonso Ortega
Alfonso Ortega
Date: 2022.01.26 16:11:05 -0500

Date

Garrett Clayton

Date

Christopher Townend

Date

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Alfonso Ortega

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Chandrasekhar Nataraj

Date

Alfonso Ortega

Date

Garrett Clayton

Date



Christopher Townend

Date

27 JAN 2022