

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5520280

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Paul Joseph Robinson	10/01/2018
CASSANDRA ANN PIIPPO SVENDSEN	10/01/2018
Albert Selden Benjamin	10/01/2018
Charles Anthony Plowe	10/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARDIO FLOW, INC.
<b>Street Address:</b>	525 MAIN STREET
<b>Internal Address:</b>	P.O. BOX 120018
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55112
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16146809
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	+1 (612) 638-5763
<b>Email:</b>	hamm@fr.com, apsi@fr.com
<b>Correspondent Name:</b>	SANGKI PARK
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	37537-0027003
<b>NAME OF SUBMITTER:</b>	LYNDZIE HAMM
<b>SIGNATURE:</b>	/Lyndzie Hamm/
<b>DATE SIGNED:</b>	05/13/2019
<b>Total Attachments: 6</b>	

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### ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, PAUL JOSEPH ROBINSON, CASSANDRA ANN PIIPPO SVENDSEN, ALBERT SELDEN BENJAMIN, and CHARLES ANTHONY PLOWE, each individually assign to CARDIO FLOW, INC., a corporation formed under the laws of Delaware and having a principal place of business at 525 Main Street, P.O. Box 120018, St. Paul, MN 55112, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "ATHERECTOMY DEVICES AND METHODS," and was filed in the United States Patent and Trademark Office on May 24, 2018, as application 15/988,160 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

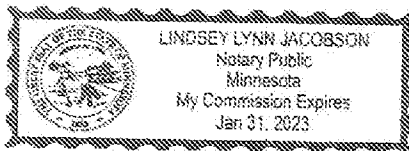
documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Paul Joseph Robinson DATE: October 1, 2018  
Paul Joseph Robinson

State of Minnesota

County of Ramsey

This instrument was acknowledged before me on October 1<sup>st</sup>, 2018 by  
Paul Joseph Robinson (name(s) of person(s)).



Lindsey Jacobson  
(Signature of notarial officer)

Universal Banker  
Title (and Rank)  
My commission expires: 1/30/2023

Cassandra Ahn Pilipp Svendsen  
Cassandra Ahn Pilipp Svendsen

DATE: October 1, 2018

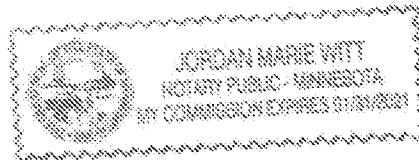
State of Minnesota

County of Anoka

This instrument was acknowledged before me on October 1<sup>st</sup>, 2018 by  
Cassandra Svendsen (name(s) of person(s)).

[Signature]  
(Signature of notarial officer)

Notary  
Title (and Rank)  
My commission expires: January 31, 2021



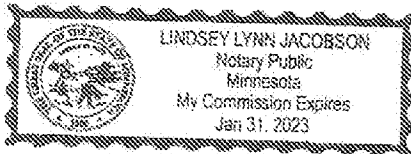
Albert Selden Benjamin  
Albert Selden Benjamin

DATE: 10-01-2018

State of Minnesota

County of Ramsey

This instrument was acknowledged before me on October 1<sup>st</sup>, 2018 by  
Albert Selden Benjamin (name(s) of person(s)).



Lindsey Jacobson  
(Signature of notarial officer)

Universal Banker  
Title (and Rank)  
My commission expires: 1/30/2023



Charles Anthony Plowe

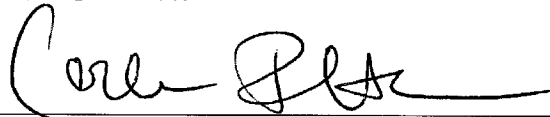
DATE: 10-2-2018

State of Minnesota

County of Ramsey

This instrument was acknowledged before me on October 2nd by  
Charles Plowe (name(s) of person(s)).





(Signature of notarial officer)

FSO - Roseville

Title (and Rank)

My commission expires: 1/31/22

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: CARDIO FLOW, INC.

Signature: Michael J. Kallok

Date: 02 October 2018

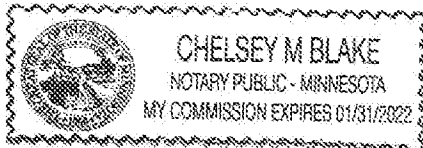
Name: Michael Kallok

Title: Chief Executive Officer

State of Minnesota

County of Ramsey

This instrument was acknowledged before me on 10/02/2018 by  
Michael Kallok (name(s) of person(s)).



Chelsey Blake  
(Signature of notarial officer)

Notary  
Title (and Rank)  
My commission expires: 01/31/2022

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