

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4804981

<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	05/08/2014
CASSANDRA ANN PIIPPO SVENDSEN	05/08/2014
Charles Anthony Plowe	05/08/2014
Albert Selden Benjamin	05/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARDIO FLOW, INC.
<b>Street Address:</b>	525 MAIN STREET
<b>Internal Address:</b>	PO 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>
<b>Application Number:</b>	15707690
<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>	(612) 337-2510
<b>Email:</b>	stadnick@fr.com, apsi@fr.com
<b>Correspondent Name:</b>	GRACE J. KIM
<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>	37537-0017002
<b>NAME OF SUBMITTER:</b>	SHANNON STADNICK
<b>SIGNATURE:</b>	/Shannon Stadnick/
<b>DATE SIGNED:</b>	02/01/2018
<b>Total Attachments: 5</b>	

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ASSIGNMENT

For valuable consideration, we, Paul Joseph Robinson, of 888 East Avenue, Mahtomedi, MN 55115; Cassandra Ann Piippo Svendsen, of 11892 Isanti St NE, Blaine, MN 55449; Charles Anthony Plowe, of 12320 Lever Street NE, Blaine, MN 55449; Albert Selden Benjamin, of 2674 Elm St, St Paul, MN 55109; hereby assign to CARDIO FLOW INC., a corporation of Minnesota, having a place of business at 2975 County Road 24, Long Lake, MN 55356, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ATHERECTOMY DEVICES AND METHODS, filed January 15, 2014, and assigned U.S. Serial Number 14/155,549, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE May 8, 2014

Paul Joseph Robinson  
PAUL JOSEPH ROBINSON

STATE OF Minnesota )  
COUNTY OF Washington ) SS.

On May 8, 2014, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared PAUL JOSEPH ROBINSON personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Beth L. Holmgren  
Notary Public



DATE: May 8, 2014

Cassandra Ann Piippo Svendsen  
CASSANDRA ANN PIIPPO SVENDSEN

STATE OF Minnesota )  
 ) SS.  
COUNTY OF Washington )

On May 8, 2014, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared CASSANDRA ANN PIIPPO SVENDSEN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in her authorized capacity and that by her signature on this Assignment, the person or the entity upon behalf of which she acted, executed this Assignment.

WITNESS my hand and official seal.

Beth L. Holmgren  
Notary Public



DATE: May 8, 2014

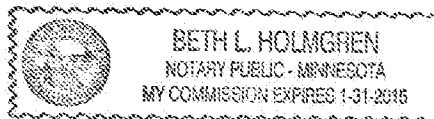
Charles Anthony Plowe  
CHARLES ANTHONY PLOWE

STATE OF Minnesota )  
 ) SS.  
COUNTY OF Washington )

On May 8, 2014, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared CHARLES ANTHONY PLOWE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Beth L. Holmgren  
Notary Public



DATE: May 8, 2014

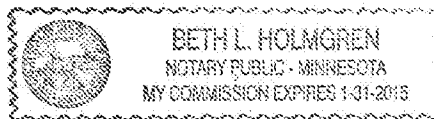
Albert Benjamin  
ALBERT SELDEN BENJAMIN

STATE OF Minnesota )  
COUNTY OF Washington ) SS.

On May 8, 2014, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared ALBERT SELDEN BENJAMIN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Beth L. Holmgren  
Notary Public



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