

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5186034

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DORIN PANESCU	05/18/2017
JOSEF VINCENT KOBLISH	05/01/2017
DONGHOON CHUN	05/01/2017
JESSI E. JOHNSON	05/01/2017
ERIC ANDREW SCHULTHEIS	05/01/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVANCED CARDIAC THERAPEUTICS, INC.
<b>Street Address:</b>	2880 LAKESIDE DRIVE
<b>Internal Address:</b>	SUITE #250
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16003576
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<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>	949-760-0404
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	ACTMD.028C3
<b>NAME OF SUBMITTER:</b>	MICHAEL CHRISTENSEN
<b>SIGNATURE:</b>	/Michael Christensen/
<b>DATE SIGNED:</b>	10/12/2018

**Total Attachments: 7**

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<b>COMBINED DECLARATION &amp; ASSIGNMENT (37 CFR 1.63(e))</b>
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Docket No.: ACTMD.028WO

Page 1 of 7

Application No.: PCT/US2017/022264

Filing Date: March 14, 2017

Title: IMPROVED DEVICES, SYSTEMS AND METHODS FOR IRRIGATED ABLATION

Inventors: Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU; Eric Andrew SCHULTHEIS

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***Declaration***

This Declaration is directed to the application identified above that:

Was filed **March 14, 2017** as U.S. or International Application No. **PCT/US2017/022264**.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Assignment from Inventors***

WHEREAS, the **above-identified inventors** (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries related to IMPROVED DEVICES, SYSTEMS AND METHODS FOR IRRIGATED ABLATION (collectively hereinafter referred to as the "Work"), for which a PCT application (identified above) was prepared and filed with the United States Patent and Trademark Office as the Receiving Office (hereinafter the "Application").

AND WHEREAS, **Advanced Cardiac Therapeutics, Inc.**, with its principal place of business at 2880 Lakeside Drive, Suite #250, Santa Clara, CA 95054 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work (to the extent not already acquired).

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over (to the extent not done previously), unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 62/308,461 filed March 15, 2016; U.S. Provisional Application No. 62/315,661 filed March 30, 2016; U.S. Provisional Application No. 62/323,502 filed April 15, 2016; U.S. Provisional Application No. 62/418,057 filed November 4, 2016;

all nonprovisional applications claiming priority to the aforementioned provisionals and/or the present Application, including, all national phase filings, divisions, continuations, continuations-in-part, and substitutions thereof, and all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and

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all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests 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 related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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Application No.: PCT/US2017/022264

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Title: IMPROVED DEVICES, SYSTEMS AND METHODS FOR IRRIGATED ABLATION

Inventors: Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU; Eric Andrew SCHULTHEIS

Legal Name of inventor: Josef Vicent KOBLISH

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 01 day of MAY, 2017.

Signature: \_\_\_\_\_

*Signature before a Notary is desirable but not required.*

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Josef Vicent KOBLISH who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

Docket No.: ACTMD.028WO

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Application No.: PCT/US2017/022264

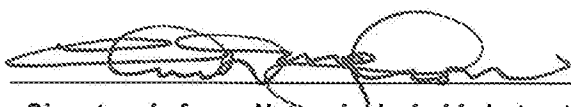
Filing Date: March 14, 2017

Title: IMPROVED DEVICES, SYSTEMS AND METHODS FOR IRRIGATED ABLATION

Inventors: Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU; Eric Andrew SCHULTHEIS

Legal Name of inventor: Donghoon CHUN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 01 day of May, 2017.

Signature: 

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STATE OF CALIFORNIA

ss.

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Donghoon CHUN who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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Notary Signature

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Inventors: Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU; Eric Andrew SCHULTHEIS

Legal Name of inventor: Jessi E. JOHNSON

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of May, 2017.

Signature: \_\_\_\_\_

*Signature before a Notary is desirable but not required.*

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

} ss.

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Jessi E. JOHNSON who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

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[SEAL]

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Application No.: PCT/US2017/022264

Filing Date: March 14, 2017

Title: IMPROVED DEVICES, SYSTEMS AND METHODS FOR IRRIGATED ABLATION

Inventors: Dorin PANESCU  
Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU, Eric  
Andrew SCHULTHEIS

Josef Vincent KOBLISH

Legal Name of Inventor: Dorin PANESCU

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of May 2017

Signature: 

Signature before a Notary is desirable but not required.

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE  
VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE  
DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE  
TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

ss.

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally  
appeared Dorin PANESCU who proved to me on the basis of satisfactory evidence to be the person(s)  
whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they  
executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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Inventors: Josef Vincent KOBLISH; Donghoon CHUN; Jessi E. JOHNSON; Dorin PANESCU; Eric Andrew SCHULTHEIS

Legal Name of Inventor: Eric Andrew SCHULTHEIS

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of May, 2017.

Signature: 

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STATE OF CALIFORNIA

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Eric Andrew SCHULTHEIS who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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Notary Signature

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