#### 502023145 08/13/2012

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Robert L. Campbell	02/08/2012
Mark W. McBride	02/10/2012
Thomas M. Mallison	03/09/2012
Adam Roslund	07/27/2012

### **RECEIVING PARTY DATA**

Name:	The Penn State Research Foundation
Street Address:	304 Old Main
City:	University Park
State/Country:	PENNSYLVANIA
Postal Code:	16802

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13343617

### **CORRESPONDENCE DATA**

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via US Mail.

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Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER: THOR.047A NAME OF SUBMITTER: Paul Stellman

# Total Attachments: 6

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Application No.: 13/343,617

Filing Date: January 4, 2012

Docket Number: THOR.047A

Page 1 of 5

#### **ASSIGNMENT**

WHEREAS, Robert L. Campbell, a US citizen, residing in Port Matilda, PA, Mark W. McBride, a US citizen, residing in Bellefonte, PA, Thomas M. Mallison, a US citizen, residing in State College, PA and Adam Roslund, a US citizen, residing in Monroeville, PA (individuals collectively hereinafter referred to as "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to IMPELLER HOUSING FOR PERCUTANEOUS HEART PUMP (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, THE PENN STATE RESEARCH FOUNDATION, a Pennsylvania Corporation, with its principal place of business at 304 Old Main, University Park, PA 16802 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which 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, 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 nonprovisional applications (including but not limited to U.S. Provisional Application No. 61/430,146, filed January 5, 2011) claiming priority thereto that have been or may hereafter be filed; such filings including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and 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; and ASSIGNOR hereby 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 provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, 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.

Application No.: 13/343,617 Filing Date: January 4, 2012

Docket Number: THOR.047A

Page 2 of 5

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this <u>8</u> day of February, 2012.

Robert L. Campbell

Sign in presence of a Notary and have Notary attach Acknowledgement

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Kim M. Hannon, Notary Public State College Boro, Centre County My Commission Expires May 6, 2014

2-8-2012

REEL: 028776 FRAME: 0721

Application No.: 13/343,617 Filing Date: January 4, 2012

Docket Number: THOR.047A

Page 3 of 5

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 FEB, 20 12

day of

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Robert J. Sanginari, Notary Public
Patton Township, Centre County
My Commission Expires May 11, 2014

Mark W. McBride

Sign in presence of a Notary and have

Notary attach Acknowledgement

PATENT

**REEL: 028776 FRAME: 0722** 

# INDIVIDUAL ACKNOWLEDGMENT

State/Commonwealth of Property County of Centre	ss.	
On this the day of day of	Name(s) of Signer(s)    Signer(s)   Signer	
	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 for the purposes therein stated.	
COMMONWEALTH OF PENNSYLVANIA  Notarial Seal Robert J. Sanginari, Notary Public Patton Township, Centre County My Commission Expires May 11, 2014	Signature of Notary Public  Other Regulard Information (Printed Name of Notary, Residence, etc.)	
Place Notary Seal and/or Any Stamp Above	100141	
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Application No.: 13/343,617 Filing Date: January 4, 2012

Docket Number: THOR.047A

Page 4 of 5

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this <u>9</u> day of <u>March</u>, 20<u>12</u>.

Thomas M. Mallison

Southwax. Dantate

Sign in presence of a Notary and have

Notary attach Acknowledgement

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL
BARBARA S BARNETT
Notary Public
Ferguson Twp, Centre County
My Commission Expires Mar 24, 2015

Application No.: 13/343,617 Filing Date: January 4, 2012

Docket Number: THOR.047A

Page 5 of 5

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this <u>27</u> day of <u>, 20 12</u>.

Adam Roslund

Sign in presence of a Notary and have

Notary attach Acknowledgement

STATE OF PENNSYLVANIA

COUNTY OF AUSCHENY

COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Jennifer Strozier - Notary Public Monrecylle Boro., Allegheny County MY COMMISSION EXPIRES FEB. 04, 2015

Idam Roslund

12336106 112811

**PATENT REEL: 028776 FRAME: 0725** 

**RECORDED: 08/13/2012**