

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4004964

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADAM R. TANNER	03/21/2016
PAUL F. MULLER	05/26/2016
ALAN SCHENCK	05/31/2016
MICHAEL R. BUTLER	06/01/2016
TODD JENKINS	07/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THORATEC CORPORATION
<b>Street Address:</b>	6101 STONERIDGE DRIVE
<b>City:</b>	PLEASANTON
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94588
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15003576
<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>	9497600404
<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>	THOR.127A
<b>NAME OF SUBMITTER:</b>	PAUL STELLMAN
<b>SIGNATURE:</b>	/Paul Stellman/
<b>DATE SIGNED:</b>	08/12/2016
<b>Total Attachments: 6</b>	

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**ASSIGNMENT**

WHEREAS, Adam R. Tanner, residing in Mountain View, CA, Paul F. Muller, residing in San Carlos, CA, Alan Schenck, residing in Sunnyvale, CA, Michael R. Butler, residing in Dublin, CA, and Todd Jenkins, residing in San Jose, CA, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to REDUCED ROTATIONAL MASS MOTOR ASSEMBLY FOR CATHETER 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");

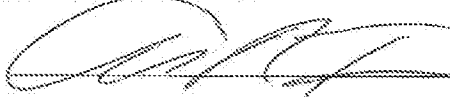
AND WHEREAS, THORATEC CORPORATION, a California Corporation, having an address at 6101 Stoneridge Drive, Pleasanton, CA 94588 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

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 provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 62/106,870, filed January 22, 2015), and all nonprovisional applications claiming priority thereto, 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.

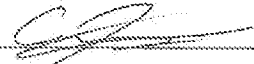
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue 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, 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.

Legal Name of inventor: Adam B. Tanner

Inventor Signature: 

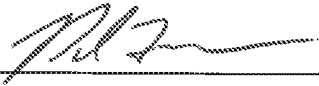
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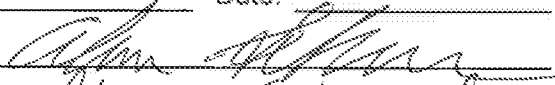
Witnessed by: 

Witness Name (printed): Camilo Perez

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Legal Name of inventor: Paul F. Muller

Inventor Signature:  Date: 5/26/16

Witnessed by: 

Witness Name (printed): Alan Schenck

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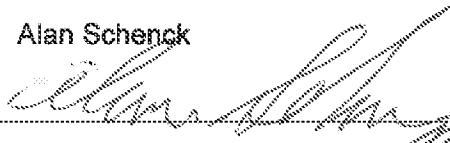
Application No.: 15/003,576  
Filing Date: January 21, 2016

Docket Number: THOR.127A  
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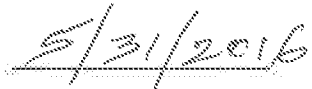
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Legal Name of inventor: Alan Schenck

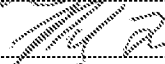
Inventor Signature: \_\_\_\_\_




Date: \_\_\_\_\_



Witnessed by: \_\_\_\_\_



Witness Name (printed): \_\_\_\_\_



Application No.: 15/003,576  
Filing Date: January 21, 2016

Docket Number: THOR.127A  
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Legal Name of Inventor: Michael R. Butler

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

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Witness Name (printed): \_\_\_\_\_

Legal Name of inventor: Todd Jenkins

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

*Todd Jenkins*

Date: \_\_\_\_\_

*7/14/16*

Witnessed by: \_\_\_\_\_

*Ray Betelia*

*7/14/16*

Witness Name (printed): \_\_\_\_\_

*Ray Betelia*

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