

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4511389

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PAUL F. MULLER	10/27/2016
KEIF M. FITZGERALD	10/27/2016
MICHAEL R. BUTLER	10/28/2016
TODD JENKINS	12/09/2016
RECEIVING PARTY DATA	
Name:	THORATEC CORPORATION
Street Address:	6035 STONERIDGE DRIVE
City:	PLEASANTON
State/Country:	CALIFORNIA
Postal Code:	94588
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15654451
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	314-621-5070
Email:	uspatents@armstrongteasdale.com
Correspondent Name:	ARMSTRONG TEASDALE LLP THORATEC (35398)
Address Line 1:	7700 FORSYTH BOULEVARD
Address Line 2:	SUITE 1800
Address Line 4:	ST. LOUIS, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	P04037AUS2
NAME OF SUBMITTER:	CHRISTOPHER M. GOFF
SIGNATURE:	/Christopher M. Goff/
DATE SIGNED:	07/19/2017
Total Attachments: 5	
source=P04037AUS2_ExecutedAssignment-26726061#page1.tif	
source=P04037AUS2_ExecutedAssignment-26726061#page2.tif	

source=P04037AUS2_ExecutedAssignment-26726061#page3.tif

source=P04037AUS2_ExecutedAssignment-26726061#page4.tif

source=P04037AUS2_ExecutedAssignment-26726061#page5.tif

PATENT

REEL: 043047 FRAME: 0955

ASSIGNMENT

WHEREAS, Paul F. Muller, residing in San Carlos, CA, Keif M. Fitzgerald, residing in San Jose, CA, Michael R. Butler, residing in Dublin, CA, and Todd Jenkins, residing in San Jose, CA, (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to GAS-FILLED CHAMBER FOR CATHETER PUMP MOTOR ASSEMBLY (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 94855 (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(s). 62/365,258, filed July 21, 2016), 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: Paul F. Muller

Inventor Signature: _____

Date: 10/27/16

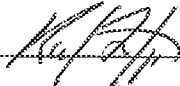
Witnessed by: _____

Witness Name (printed): _____

Witnessed by: _____

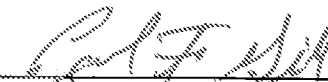
Witness Name (printed): _____

Legal Name of Inventor: Keif M. Fitzgerald

Inventor Signature:  Date: 10/27/16

Witnessed by: 

Witness Name (printed): Paul M. M. M.

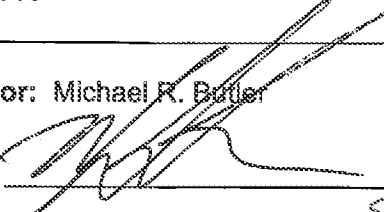
Witnessed by: 

Witness Name (printed): Paul F. G. W.

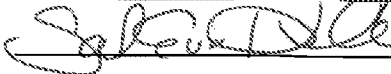
Application No.: 62/365,258
Filing Date: July 21, 2016

Docket Number: THOR.138PR
Page 4 of 5

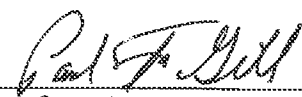
Legal Name of inventor: Michael R. Butler

Inventor Signature: 

Date: 10/28/2016

Witnessed by: 

Witness Name (printed): Sarah van Keulen

Witnessed by: 

Witness Name (printed): Paul F Gill

Legal Name of inventor: Todd Jenkins

Inventor Signature: Todd Jenkins Date: 12/9/16

Witnessed by: [Signature]

Witness Name (printed): Ray Betelini

Witnessed by: [Signature]

Witness Name (printed): Camilo Perez

23960630
080816