

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Gary A. Freeman	04/01/2015
Ulrich Herken	04/01/2015
Annemarie Silver	04/01/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZOLL MEDICAL CORPORATION
<b>Street Address:</b>	269 MILL ROAD
<b>City:</b>	CHELMSFORD
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01824
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16253677
<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>	(617) 368-2135
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	STEVEN J. PETKOVSEK
<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>	04644-0469003
<b>NAME OF SUBMITTER:</b>	LAKEISHA BRYANT
<b>SIGNATURE:</b>	/Lakeisha Bryant/
<b>DATE SIGNED:</b>	01/30/2019
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, the undersigned **Gary A. Freeman of Waltham, MA, Ulrich Herken of Medford, MA, and Annemarie Silver of Bedford, MA**, hereby:

Sell, assign and transfer to **Zoll Medical Corporation**, a Massachusetts corporation having a place of business at **269 Mill Road, Chelmsford, Massachusetts 01824**, its successors, assigns and legal representatives, all hereinafter referred to as said Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in an application for Letters Patent filed in the United States Patent and Trademark Office on:

**March 27, 2015**

ENTER FILING DATE ABOVE

under Application Serial No. 62/139,061 and

titled **SYSTEMS AND METHODS FOR POSITIONING AN INTUBATION TUBE**,

and in and to said application and all continuing, divisional, continuation-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said any and all inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said any and all inventions including the right to apply for patent rights in each foreign country and all rights to priority; and further including any right to sue for past infringement;

Agree that said Assignee may apply for and receive Letters Patent for said any and all inventions in its own name; and when requested, without charge to but at the expense of said Assignee, We agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said any and all inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to relating to said any and all inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said any and all inventions and for vesting title to said any and all inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

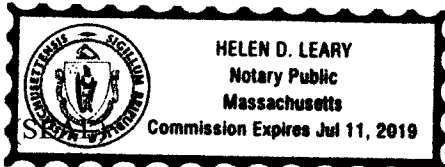
Said Assignee does hereby acknowledge and accept the above sale, assignment and transfer of all the rights, title and interest enumerated above, including but not limited to the right to priority and the right to sue for past infringement.

April 1, 2015  
Date

Gary A. Freeman  
Gary A. Freeman

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex :

On this 1st day of April, 2015, before me, the undersigned notary public, personally appeared Gary Freeman, proved to me through satisfactory evidence of identification, which were known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



Helen D. Leary

Helen D. Leary  
Printed Name of Notary Public

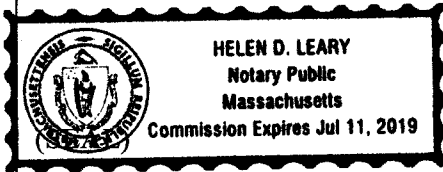
My commission expires  
July 11, 2019

April 1, 2015  
Date

Ulrich Herken  
Ulrich Herken

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex :

On this 1st day of April, 2015, before me, the undersigned notary public, personally appeared Ulrich Herken, proved to me through satisfactory evidence of identification, which were known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



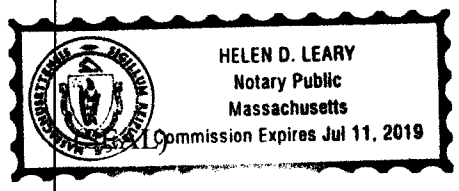
Helen D. Leary  
Helen D. Leary  
Printed Name of Notary Public  
My commission expires  
July 11, 2019

4/1/15  
Date

*Annemarie Silver*  
Annemarie Silver

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex:

On this 1st day of April, 2015, before me, the undersigned notary public, personally appeared Annemarie Silver, proved to me through satisfactory evidence of identification, which were known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



*Helen D. Leary*  
Helen D. Leary  
Printed Name of Notary Public  
My commission expires  
July 11, 2019

By: Zoll Medical Corporation

4/2/15  
Date

*Gauri M. Dhavan*  
Signature

GAURI M. DHAVAN  
Printed Name of Signor

CHIEF INTELLECTUAL PROPERTY COUNSEL.  
Title/Authority of Signor

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex :

On this 2nd day of April, 2015, before me, the undersigned notary public, personally appeared Gauri Dhavan, proved to me through satisfactory evidence of identification, which were known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



*Helen D. Leary*

Helen D. Leary  
Printed Name of Notary Public

My commission expires  
July 11, 2019