

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4734193

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENT VOLOSIN	12/04/2017
SHANE S. VOLPE	12/04/2017
GARY A. FREEMAN	12/06/2017
<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>	15827519
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(603)782-4378
<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>	603-622-8456
<b>Email:</b>	jjudkins@finchmaloney.com
<b>Correspondent Name:</b>	FINCH & MALONEY PLLC
<b>Address Line 1:</b>	50 COMMERCIAL STREET
<b>Address Line 2:</b>	SUITE 300
<b>Address Line 4:</b>	MANCHESTER, NEW HAMPSHIRE 03101
<b>ATTORNEY DOCKET NUMBER:</b>	ZL01.722US
<b>NAME OF SUBMITTER:</b>	THOMAS J. MCGINNIS, REG. NO. 58,026
<b>SIGNATURE:</b>	/Thomas J. McGinnis/
<b>DATE SIGNED:</b>	12/14/2017
<b>Total Attachments: 12</b>	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, KENT VOLOSIN of Mars, PA, SHANE S. VOLPE of Saltsburg, PA, and GARY A. FREEMAN of Waltham, MA, each individually assign to ZOLL MEDICAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 269 Mill Road, Chelmsford, MA 01824, and its successors, transferees, and assigns (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the patent application titled "MEDICAL DEVICES WITH RAPID SENSOR RECOVERY," filed in the United States Patent and Trademark Office on November 30, 2017, as application 15/827,519 (the "Application"), including without limitation: (a) the subject matter of the Application (the "Subject Matter"); (b) the Application and all other applications that may be made for, and all patents, utility models, design registrations, creative works, and other rights of exclusion and inventors' certificates for any of the Subject Matter, and all applications claiming the benefit of or priority to the Application (including without limitation divisionals, continuations, continuations-in-part, reexaminations, reissues, supplemental examinations, continued prosecution applications, post-grant reviews, *inter partes* reviews, renewals, and extensions), and all applications to which the Application claims priority or of which the Application claims the benefit (including without limitation provisional applications), in every country or region (collectively the "Applications and Granted Rights"); (c) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (d) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this

insert in or on this Assignment the filing date and application number of the Application or of any Applications and Granted Rights, including any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office or foreign equivalent thereof for recordation of this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

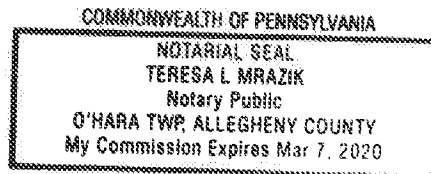
Kent Volosin  
Kent Volosin

Date: Dec 4, 2017

State/Commonwealth of Pennsylvania )  
County of: ALLEGHENY ) ss.: )

On the FOUR day of DECEMBER in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared KENT VOLOSIN, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Teresa L. Mrazik  
Notary Public



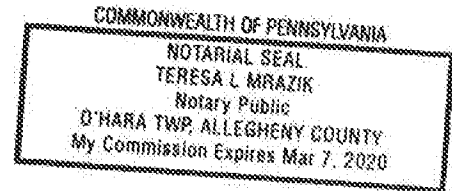
Shane S. Volpe  
Shane S. Volpe

Date: 12/4/17

State/Commonwealth of Pennsylvania )  
County of: ALLEGHENY ) ss.:

On the Four day of DECEMBER in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared Shane Volpe personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Teresa L. Mrazik  
Notary Public



\_\_\_\_\_  
Gary A. Freeman

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

Commonwealth of Massachusetts )  
  ) ss.  
County of Middlesex )

On the \_\_\_\_\_ day of \_\_\_\_\_ in the year 20\_\_\_\_ before me, the undersigned, a Notary Public in and for said State, personally appeared Gary A. Freeman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

\_\_\_\_\_  
Notary Public

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: ZOLL Medical Corporation

Signature: [Handwritten Signature]

Date: 12/2/2017

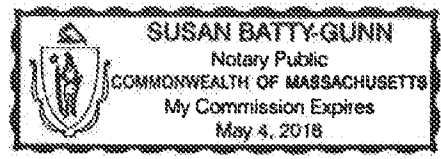
Name: Sivananda Reddy

Title: Intellectual Property Counsel, ZOLL Medical Corporation

Commonwealth of Massachusetts )  
County of Middlesex ) ss.:  
)

On the 7<sup>th</sup> day of December in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared Sivananda Reddy, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

[Handwritten Signature]  
Notary Public





ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, KENT VOLOSIN of Mars, PA, SHANE S. VOLPE of Saltsburg, PA, and GARY A. FREEMAN of Waltham, MA, each individually assign to ZOLL MEDICAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 269 Mill Road, Chelmsford, MA 01824, and its successors, transferees, and assigns (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the patent application titled "MEDICAL DEVICES WITH RAPID SENSOR RECOVERY," filed in the United States Patent and Trademark Office on November 30, 2017, as application 15/827,519 (the "Application"), including without limitation: (a) the subject matter of the Application (the "Subject Matter"); (b) the Application and all other applications that may be made for, and all patents, utility models, design registrations, creative works, and other rights of exclusion and inventors' certificates for any of the Subject Matter, and all applications claiming the benefit of or priority to the Application (including without limitation divisionals, continuations, continuations-in-part, reexaminations, reissues, supplemental examinations, continued prosecution applications, post-grant reviews, *inter partes* reviews, renewals, and extensions), and all applications to which the Application claims priority or of which the Application claims the benefit (including without limitation provisional applications), in every country or region (collectively the "Applications and Granted Rights"); (c) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (d) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this

Assignment. We authorize the Assignee, its successors and assigns, and its representatives, to insert in or on this Assignment the filing date and application number of the Application or of any Applications and Granted Rights, including any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office or foreign equivalent thereof for recordation of this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

\_\_\_\_\_  
Kent Volosin

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

State/Commonwealth of Pennsylvania )  
 ) ss.:  
County of: \_\_\_\_\_ )

On the \_\_\_\_\_ day of \_\_\_\_\_ in the year 20\_\_\_\_ before me, the undersigned, a Notary Public in and for said State, personally appeared \_\_\_\_\_ personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Shane S. Volpe

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

State/Commonwealth of Pennsylvania     )  
  ) ss.  
County of: \_\_\_\_\_                          )

On the \_\_\_\_\_ day of \_\_\_\_\_ in the year 20\_\_\_\_ before me, the undersigned,  
a Notary Public in and for said State, personally appeared \_\_\_\_\_,  
personally known to me or proved to me on the basis of satisfactory evidence to be the  
individual(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 capacity(ies), and that by his/her/their  
signature(s) on the instrument, the individual(s), or the person upon behalf of which the  
individual(s) acted, executed the instrument.

\_\_\_\_\_  
Notary Public

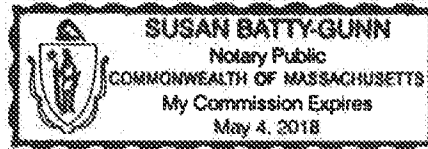
Gary A. Freeman  
Gary A. Freeman

Date: 12-6-17

Commonwealth of Massachusetts )  
 ) ss.:  
County of Middlesex )

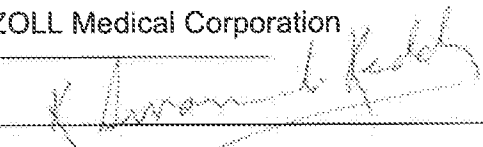
On the 6<sup>th</sup> day of December in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared Gary A. Freeman, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Susan Batty-Gunn  
Notary Public



The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: ZOLL Medical Corporation

Signature: 

Date: 12/7/2017

Name: Sivananda Reddy

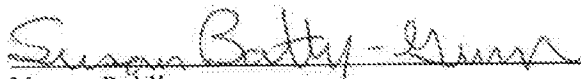
Title: Intellectual Property Counsel, ZOLL Medical Corporation

Commonwealth of Massachusetts )

) ss.:

County of Middlesex )

On the 7th day of December in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared Sivananda Reddy personally known to me or proved to me on the basis of satisfactory evidence to be the individual(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 capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

  
Notary Public

