

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4872667

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GARY A. FREEMAN	12/07/2017
ZIAD F. ELGHAZZAWI	12/12/2017
JING PAN	08/29/2012
RECEIVING PARTY DATA	
Name:	ZOLL MEDICAL CORPORATION
Street Address:	269 MILL ROAD
City:	CHELMSFORD
State/Country:	MASSACHUSETTS
Postal Code:	01824-4105
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15833288
CORRESPONDENCE DATA	
Fax Number:	(412)471-4094
<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:	4124718815
Email:	assignments@webblaw.com
Correspondent Name:	THE WEBB LAW FIRM
Address Line 1:	ONE GATEWAY CNTR 420 FT DUQUESNE BLVD
Address Line 2:	SUITE 1200
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222
ATTORNEY DOCKET NUMBER:	7460-1708303
NAME OF SUBMITTER:	RYAN J. MILLER
SIGNATURE:	/Ryan J. Miller/
DATE SIGNED:	03/19/2018
Total Attachments: 14	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	

source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif
source=Assignment#page7.tif
source=Assignment#page8.tif
source=Assignment#page9.tif
source=Assignment#page10.tif
source=Assignment#page11.tif
source=Assignment#page12.tif
source=Assignment#page13.tif
source=Assignment#page14.tif

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Gary A. Freeman of Waltham, MA, Jing Pan of Newton, MA, and Ziad F. Elghazzawi of Newton, 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 "System for Assisting Rescuers in Performing Cardio-Pulmonary Resuscitation (CPR) on a Patient," filed in the United States Patent and Trademark Office on December 6, 2017, as Application No. 15/833,288 (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.

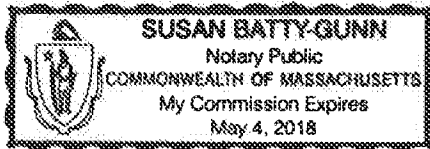
Gary A. Freeman
Gary A. Freeman

Date: 12-7-17

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

On the 7th day of December 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.

Susan Batty-Gunn
Notary Public



Date: _____

_____)
Jing Pan

Commonwealth of Massachusetts)
County of) ss.:
)

On the _____ day of _____ in the year 20____ before me, the undersigned, a Notary Public in and for said State, personally appeared Jing Pan, 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

Date: _____

Ziad F. Elghazzawi

State)
) 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 Ziad F. Elghazzawi 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: _____

Date: 12/7/17

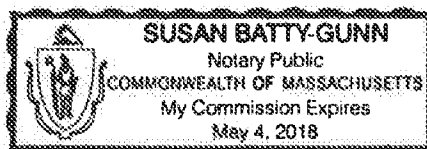
Name: Kuangshin Tai

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 Kuangshin Tai, 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



ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Gary A. Freeman of Waltham, MA, Jing Pan of Newton, MA, and Ziad F. Elghazzawi of Newton, 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 "System for Assisting Rescuers in Performing Cardio-Pulmonary Resuscitation (CPR) on a Patient," filed in the United States Patent and Trademark Office on December 6, 2017, as Application No. 15/833,288 (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.

Jing Pan

Date: _____

Commonwealth of Massachusetts)
) 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 Jing Pan, 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

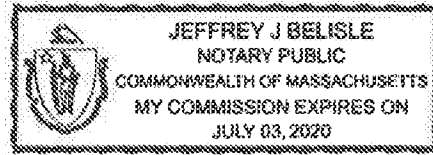
Ziad Elghazzawi
Ziad F. Elghazzawi

Date: 12/12/2017

State Massachusetts)
County of Worcester) ss.:
)

On the 12 day of December in the year 2017 before me, the undersigned, a Notary Public in and for said State, personally appeared Ziad F. Elghazzawi, 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.

Jeffrey J. Belisle
Notary Public



The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: Zoll Medical Corporation

Signature: _____

Date: 1/9/18

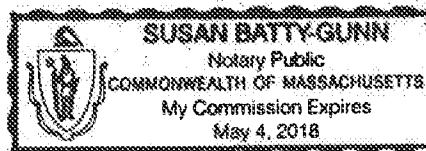
Name: Kuangshin Tai

Title: Intellectual Property Counsel, Zoll Medical Corporation

Commonwealth of Massachusetts)
County of Middlesex) ss.:

On the 9th day of January in the year 2018 before me, the undersigned, a Notary Public in and for said State, personally appeared Kuangshin Tai 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



ASSIGNMENT

For valuable consideration, we, Ziad F. Elghazzawi, of 115 Sheridan Street, Newton, MA 02465; and Jing Pan, of 11 Ellison Rd., Newton, MA 02459; hereby assign to ZOLL MEDICAL CORPORATION, a corporation of Massachusetts, having a place of business at 269 Mill Road, Chelmsford, Massachusetts 01824, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DEFIBRILLATOR INCLUDING LIGHT SENSOR, filed July 23, 2012, and assigned U.S. Serial Number 13/555,439, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 8/27/12

Ziad Elghazzawi
ZIAD F. ELGHAZZAWI

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

On August 27, 2012, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared ZIAD F. ELGHAZZAWI personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



Helen D. Leary
Notary Public

DATE: 8/29/12

Jing Pan
JING PAN

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

On August 29, 2012, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared JING PAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



Helen D. Leary
Notary Public