505537883 06/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5584680

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANNEMARIE E SILVER	02/11/2019
GARY A FREEMAN	02/11/2019
GEORGE BECK	03/04/2019
GUY R JOHNSON	02/15/2019
ULRICH R HERKEN	02/12/2019
WAYNE F STANLEY	02/11/2019
SHIN-LUEN CHAI	02/20/2019

RECEIVING PARTY DATA

Name:	ZOLL MEDICAL CORPORATION
Street Address:	269 MILL ROAD
City:	CHELMSFORD
State/Country:	MASSACHUSETTS
Postal Code:	01824

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16250926
PCT Number:	US2019014073

CORRESPONDENCE DATA

Fax Number: (978)421-0007

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.

Phone: 978-421-9194
Email: patents@zoll.com

Correspondent Name: MICHAEL CARBONELLO

Address Line 1: 269 MILL ROAD

Address Line 4: CHELMSFORD, MASSACHUSETTS 01824

ATTORNEY DOCKET NUMBER:	Z20693US-02
NAME OF SUBMITTER:	MICHAEL CARBONELLO
SIGNATURE:	/Michael Carbonello/

PATENT 505537883 REEL: 049557 FRAME: 0430

DATE SIGNED: 06/21/2019 **Total Attachments: 40** source=ASSN-20190306-Z20693US-02-Executed ASSN#page1.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page2.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page3.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page4.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page5.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page6.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page7.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page8.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page9.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page10.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page11.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page12.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page13.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page14.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page15.tif source=ASSN-20190306-Z20693US-02-Executed_ASSN#page16.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page17.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page18.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page19.tif source=ASSN-20190306-Z20693US-02-Executed_ASSN#page20.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page21.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page22.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page23.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page24.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page25.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page26.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page27.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page28.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page29.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page30.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page31.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page32.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page33.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page34.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page35.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page36.tif source=ASSN-20190306-Z20693US-02-Executed_ASSN#page37.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page38.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page39.tif source=ASSN-20190306-Z20693US-02-Executed ASSN#page40.tif

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Annemarie E. Silver of Bedford, MA, Gary A. Freeman of Waltham, MA, George Beck of Mendham, NJ, Guy R. Johnson of Wilton, NH, Ulrich R. Herken of Medford, MA, Wayne F. Stanley or Merrimack, NH, and Shin-Luen Chai of Groton, 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 "SYSTEMS AND METHODS FOR ASSISTING PATIENT AIRWAY MANAGEMENT," filed in the United States Patent and Trademark Office on January 17, 2019, as application 16/250,926 (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 125099.v1

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.

Annemarie E. Silver	Date: 2/11/19
Commonwealth of Massachusetts)	
) ss. County of Middlesex	;
On the 14th day of Februar	in the year 2010 before me, the undersigned,
	onally appeared <u>Annemarie E. Silver</u>
personally known to me or proved to me o	on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (are) subsc	ribed to the within instrument and acknowledged to me
that he/she/they executed the same in his/h	ner/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the individu	ual(s), or the person upon behalf of which the
individual(s) acted, executed the instrumer	
	Sugar Bathy-Llux

		Date:	
Gary A. Freeman	***************************************		
Commonwealth of Massachusetts)) ss.3		
County of Middlesex)		
On theday of		in the year 20	_ before me, the undersigned,
a Notary Public in and for said Star	te, personally	appeared <u>Gary A.</u>	Freeman ,
personally known to me or proved	to me on the l	oasis of satisfactor	y evidence to be the
individual(s) whose name(s) is (are	e) subscribed t	o the within instru	ment and acknowledged to me
that he/she/they executed the same	in his/her/the	ir capacity(ies), an	d that by his/her/their
signature(s) on the instrument, the	individual(s),	or the person upor	behalf of which the
individual(s) acted, executed the in	strument.		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	NOT	ary Public	

George Beak	Date: 4 Munk 2019
Commonwealth of Massachusetts ) ) ss.:	
County of Middlesex )	
On the Harman day of Morch	in the year 20 <u>10</u> before me, the undersigned,
a Notary Public in and for said State, personally ap	ppeared George Beck
personally known to me or proved to me on the ba	sis of satisfactory evidence to be the
individual(s) whose name(s) is (are) subscribed to	
that he/she/they executed the same in his/her/their	
signature(s) on the instrument, the individual(s), or	
individual(s) acted, executed the instrument.	
Notai	ry Public Cotty - Ding

GRUL Date: 2/15/2019
Guy R. Johnson
Commonwealth of Massachusetts )
) SS.\$
County of Middlesex )
On the 15th day of February in the year 2019 before me, the undersigned,
Notary Public in and for said State, personally appeared Guy R. Johnson
personally known to me or proved to me on the basis of satisfactory evidence to be the
ndividual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me
hat 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
ndividual(s) acted, executed the instrument.
Source Public Public

4400	Date: 2/12/2019
Ulfrich R. Herken	
Commonwealth of Massachusetts	) ) ss. [©]
County of Middlesex	)
On the 12th day of 500	in the year 2019 before me, the undersigned,
a Notary Public in and for said State	, personally appeared <u>Ulrich R. Herken</u> .
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 i	n his/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the in	ndividual(s), or the person upon behalf of which the
individual(s) acted, executed the ins	trument.
	Saty Public Patry - Lung

			Date:	
Wayne F. Star	nley			
Commonwealt	h of Massachusetts	) ) ss::::		
County of Mid	ldlesex	)		
On the	day of		in the year 20_	before me, the undersigned,
a Notary Publi	c in and for said State	e, personal	ly appeared Wayne	F. Stanley ,
personally kno	wn to me or proved t	o me on th	ne basis of satisfacto	ry evidence to be the
individual(s) w	whose name(s) is (are	) subscribe	ed to the within instr	ument and acknowledged to me
that he/she/the	y executed the same	in his/her/t	heir capacity(ies), a	nd that by his/her/their
signature(s) on	the instrument, the i	ndividual(	s), or the person upo	on behalf of which the
individual(s) ac	cted, executed the ins	strument.		
			Notary Public	
		1.	was rume	

Shin-Luen Chai	Date:
Commonwealth of Massachusetts	; ) ) ss.#
County of Middlesex	) 35%
On theday of	in the year 20 before me, the undersigned,
a Notary Public in and for said Sta	ate, personally appeared Shin-Luen Chai.
personally known to me or proved	d to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (as	re) subscribed to the within instrument and acknowledged to me
that he/she/they executed the same	e in his/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the	e individual(s), or the person upon behalf of which the
individual(s) acted, executed the i	instrument.
	Notary Public

The Assignee hereby acknowledges and accepts the foregoing assignment.
Assignee: ZOLL Medical Corporation
Signature:
Name: Michael J. Carbonello
Title: Intellectual Property Counsel, ZOLL Medical Corporation
Commonwealth of Massachusetts ) ) ss.:
County of Middlesex )
On the 5th day of March in the year 2000 before me, the undersigned,
a Notary Public in and for said State, personally appeared Michael J. Carbonello
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.
nulvidual(s) acted, executed the histornerit.
Notary Public Sotty - Lynn



#### ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Annemarie E. Silver of Bedford, MA, Gary A. Freeman of Waltham, MA, George Beck of Mendham, NJ, Guy R. Johnson of Wilton, NH, Ulrich R. Herken of Medford, MA, Wayne F. Stanley or Merrimack, NH, and Shin-Luen Chai of Groton, 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 "SYSTEMS AND METHODS FOR ASSISTING PATIENT AIRWAY MANAGEMENT," filed in the United States Patent and Trademark Office on January 17, 2019, as application 16/250,926 (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 125099.v1

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.

	Date:
Annemarie E. Silver	
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	e, personally appeared <u>Annemarie E. Silver</u>
	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
·	individual(s), or the person upon behalf of which the
individual(s) acted, executed the ins	strument.
	Notary Public

Many 1 Date: 2-11-19
Gary A. Freeman
Commonwealth of Massachusetts ) ) ss::-
County of Middlesex )
On the When day of Folia of in the year 20 of 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

TY-GUNANA SEA

	Date:
George Beck	
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 Stat	e, personally appeared George Beck
personally known to me or proved	to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (are	e) 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 i	individual(s), or the person upon behalf of which the
individual(s) acted, executed the in	strument.
	Notary Public

	2001-2004		Date:	
Guy R. Johnson				
Commonwealth of M	assachusetts	) ) ss.:		
County of Middlesex		)		
				before me, the undersigned,
a Notary Public in an	d for said State	, personally	appeared Guy R.	Johnson
personally known to	me or proved to	o me on the	basis of satisfacto	ory evidence to be the
individual(s) whose n	ame(s) is (are)	subscribed	to the within inst	rument and acknowledged to me
				and that by his/her/their
				on behalf of which the
individual(s) acted, ex	xecuted the ins	trument.		
		No	tary Public	

****		Date:	
Ulrich R. Herken			
Commonwealth of Massachus	setts ) ) ssä		
County of Middlesex	)		
On theday of		in the year 20	before me, the undersigned,
a Notary Public in and for sai	d State, personally	y appeared <u>Ulrich F</u>	l. Herken
personally known to me or pr	oved to me on the	basis of satisfactor	ry evidence to be the
-			ument and acknowledged to me
that he/she/they executed the			
signature(s) on the instrument			
•		y, or the person up o	
individual(s) acted, executed	the instrument.		
	N	otary Public	

	Date:
Wayne F. Stanley	
Commonwealth of Massachusetts County of Middlesex	) ss.:
·	in the year 20 before me, the undersigned,
	ate, personally appeared Wayne F. Stanley
personally known to me or proved	d to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (a	re) subscribed to the within instrument and acknowledged to me
that he/she/they executed the sam	e in his/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the	e individual(s), or the person upon behalf of which the
individual(s) acted, executed the	instrument.
	Notary Public

	97	Date:
Shin-Luen Chai		
Commonwealth of	Massachusetts	)
		) ssa
County of Middlese	ex .	)
On the	day of	in the year 20 before me, the undersigned,
		e, personally appeared Shin-Luen Chai
personally known to	o me or proved to	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 exe	cuted the same i	in his/her/their capacity(ies), and that by his/her/their
signature(s) on the	instrument, the i	individual(s), or the person upon behalf of which the
individual(s) acted,	executed the ins	strument.
		Notary Public

The Assignee hereby acknowledges and accepts the foregoing assignment. Assignee: ZOLL Medical Corporation Signature: MD CA Name: Michael J. Carbonello Title: Intellectual Property Counsel, ZOLL Medical Corporation Commonwealth of Massachusetts County of Middlesex On the 5th day of Moch in the year 20 10 before me, the undersigned, a Notary Public in and for said State, personally appeared Michael J. Carbonello 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. Suppose Suppos

#### ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Annemarie E. Silver of Bedford, MA, Gary A. Freeman of Waltham, MA, George Beck of Mendham, NJ, Guy R. Johnson of Wilton, NH, Ulrich R. Herken of Medford, MA, Wayne F. Stanley or Merrimack, NH, and Shin-Luen Chai of Groton, 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 "SYSTEMS AND METHODS FOR ASSISTING PATIENT AIRWAY MANAGEMENT," filed in the United States Patent and Trademark Office on January 17, 2019, as application 16/250,926 (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.

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We represent and warrant that we have the right and power to make 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.

Annemarie E. Silver	Date:
Commonwealth of Massachusetts County of Middlesex	s ) ) ss.: )
On theday of	in the year 20 before me, the undersigned,
a Notary Public in and for said St	tate, personally appeared Annemarie E. Silver
personally known to me or prove	d to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (a	ure) subscribed to the within instrument and acknowledged to me
that he/she/they executed the sam	ne in his/her/their capacity(ies), and that by his/her/their
-	e individual(s), or the person upon behalf of which the
individual(s) acted, executed the	
	Notary Public

		Date:	·····
Gary A. Freeman			
Commonwealth of Massachusetts	) ) ss.š		
County of Middlesex	)		
On theday of		in the year 20	before me, the undersigned,
a Notary Public in and for said State	e, personal	ly appeared <u>Gary A.</u>	Freeman
personally known to me or proved t	o me on th	e basis of satisfactor	ry evidence to be the
individual(s) whose name(s) is (are)	) subscribe	d to the within instr	ument and acknowledged to me
that he/she/they executed the same	in his/her/t	heir capacity(ies), ai	nd that by his/her/their
signature(s) on the instrument, the i	ndividual(s	s), or the person upo	n behalf of which the
individual(s) acted, executed the ins	strument.		
	a. A	Iotary Public	

			Date:	
George Beck	ζ			
Companyonition	lth of Massachusetts	1		*
Commonwea	um or iviassaciiuscus	) ss.:		
County of M	iddlesex	)		
On the	day of		in the year 20	before me, the undersigned,
a Notary Pub	lic in and for said Stat	e, personall	y appeared <u>George</u>	Beck
personally kr	nown to me or proved	to me on the	e basis of satisfacto	ry evidence to be the
individual(s)	whose name(s) is (are	) subscribe	d to the within instr	ument and acknowledged to me
that he/she/th	ey executed the same	in his/her/tl	heir capacity(ies), a	nd that by his/her/their
signature(s)	on the instrument, the	ndividual(s	s), or the person upo	on behalf of which the
individual(s)	acted, executed the in	strument.		
		N	lotary Public	

	Date:
Guy R. Johnson	
Commonwealth of Massachusetts	) ) ss.3
County of Middlesex	)
On the day of	in the year 20 before me, the undersigned,
a Notary Public in and for said Sta	te, personally appeared Guy R. Johnson
personally known to me or proved	to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (an	e) 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 in	astrument.
	Notary Public
	india i ame

4		******	Date:	
Ulrich R. He	rken			
Commonweal	Ith of Massachusetts	)		
an character	* *2	) ss.:		
County of Mi	ddlesex	)		
On the	day of		in the year 20	before me, the undersigned,
a Notary Publ	lic in and for said Stat	e, personally	appeared <u>Ulrich R</u>	t Herken
personally kn	own to me or proved t	to me on the	basis of satisfactor	y evidence to be the
individual(s)	whose name(s) is (are	) subscribed	to the within instru	iment and acknowledged to me
that he/she/th	ey executed the same	in his/her/tho	eir capacity(ies), ar	nd that by his/her/their
signature(s) o	n the instrument, the i	ndividual(s)	, or the person upo	n behalf of which the
individual(s)	acted, executed the ins	strument.		
		No	tary Public	
		r se	ung a muan	

Wayne F Stanley	Date:
Commonwealth of Massachusetts	
County of Middlesex )	SS.Y
On the 14th day of Follows	000 in the year $20$ before me, the undersigned,
a Notary Public in and for said State, pe	
•	e on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (are) sub	oscribed to the within instrument and acknowledged to me
that he/she/they executed the same in hi	is/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the indiv	vidual(s), or the person upon behalf of which the
individual(s) acted, executed the instrun	nent.
	Suser Both - Duny Notary Public

	Date:
Shin-Luen Chai	
Commonwealth of Massachusetts	
C3	) ss.; )
County of Middlesex	,
On theday of	in the year 20 before me, the undersigned,
a Notary Public in and for said Sta	ate, personally appeared Shin-Luen Chai,
personally known to me or proved	to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (ar	re) subscribed to the within instrument and acknowledged to me
that he/she/they executed the same	e 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 i	nstrument.
	77 79 1 5
	Notary Public

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: ZOLL Medical Corporation

Signature: Date: 3/5/20/9

Name: Michael J. Carbonello

Title: Intellectual Property Counsel, ZOLL Medical Corporation

Commonwealth of Massachusetts )

Ss.:

County of Middlesex )

On the day of May of in the year 20/9 before me, the undersigned, a Notary Public in and for said State, personally appeared Michael J. Carbonello 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.

#### <u>ASSIGNMENT</u>

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Annemarie E. Silver of Bedford, MA, Gary A. Freeman of Waltham, MA. George Beck of Mendham, NJ, Guy R. Johnson of Wilton, NH, Ulrich R. Herken of Medford, MA, Wayne F. Stanley or Merrimack, NH, and Shin-Luen Chai of Groton, 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 "SYSTEMS AND METHODS FOR ASSISTING PATIENT AIRWAY MANAGEMENT," filed in the United States Patent and Trademark Office on January 17, 2019, as application 16/250,926 (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 125099.vl

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.

A*************************************		Date:
Annemarie E	E. Silver	
Commonweal	th of Massachusetts	) ) ssx
County of Mic	ddlesex	)
On the	day of	in the year 20 before me, the undersigned,
a Notary Publi	ic in and for said State	, personally appeared <u>Annemarie E. Silver</u>
personally kno	own to me or proved t	ome on the basis of satisfactory evidence to be the
individual(s) v	whose name(s) is (are)	subscribed to the within instrument and acknowledged to me
that he/she/the	y executed the same	n his/her/their capacity(ies), and that by his/her/their
signature(s) or	n the instrument, the i	idividual(s), or the person upon behalf of which the
individual(s) a	cted, executed the ins	rument.
		Notary Public
		ivotal i actio

		Date:
Gary A. Freeman		
Commonwealth of M.	,	§§.:
County of Middlesex	ý	
On the	lay of	in the year 20 before me, the undersigned,
a Notary Public in and	for said State, pe	rsonally appeared <u>Gary A. Freeman</u> ,
personally known to r	ne or proved to me	e on the basis of satisfactory evidence to be the
individual(s) whose n	ame(s) is (are) sub	scribed to the within instrument and acknowledged to me
that he/she/they execu	ited the same in hi	s/her/their capacity(ies), and that by his/her/their
signature(s) on the ins	trument, the indiv	idual(s), or the person upon behalf of which the
individual(s) acted, ex	ecuted the instrun	nent.
		Notary Public

		Date:	
George Beck			
Commonwealth of Massachusetts County of Middlesex	) ) ss.; )		
On theday of		in the year 20	before me, the undersigned,
a Notary Public in and for said Stat	e, personally a	ippeared <u>George</u>	Beck ,
personally known to me or proved	to me on the b	asis of satisfactor	y evidence to be the
individual(s) whose name(s) is (are	) subscribed to	the within instru	ment and acknowledged to me
that he/she/they executed the same	in his/her/thei	r capacity(ies), ar	nd that by his/her/their
signature(s) on the instrument, the	individual(s),	or the person upo	n behalf of which the
individual(s) acted, executed the in	strument.		
	Nota	ary Public	

Guy R. Johnson	Date:
Commonwealth of Massachusetts County of Middlesex	) ) ss.: )
	in the year 20 before me, the undersigned,
a Notary Public in and for said Sta	te, personally appeared Guy R. Johnson ,
personally known to me or proved	to me on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (are	e) 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 in	
	Notary Public

		Date:	
Ulrich R. Herken		1 mm 2 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	
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	e, personall	y appeared <u>Ulrich R</u>	. Herken
personally known to me or proved t	o me on the	basis of satisfactor	y evidence to be the
individual(s) whose name(s) is (are	) subscribed	to the within instru	ment and acknowledged to me
that he/she/they executed the same	in his/her/th	eir capacity(ies), ar	d that by his/her/their
signature(s) on the instrument, the i	ndividual(s)	, or the person upor	n behalf of which the
individual(s) acted, executed the ins	strument.		
	ligi.		
	No	otary Public	

	Date:
Wayne F. Stanley	
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 Wayne F. Stanley
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 is	n his/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the in	dividual(s), or the person upon behalf of which the
individual(s) acted, executed the inst	rument.
	Notary Public

Shin-Luen Chai	Date: 2/20/19
Commonwealth of Massachusetts	
County of Middlesex )	SSÁ
On the 70th day of Foliase a Notary Public in and for said State, p	in the year 20 19 before me, the undersigned, personally appeared Shin-Luen Chai
•	ne on the basis of satisfactory evidence to be the
individual(s) whose name(s) is (are) su	ibscribed to the within instrument and acknowledged to me
that he/she/they executed the same in h	nis/her/their capacity(ies), and that by his/her/their
signature(s) on the instrument, the indi	ividual(s), or the person upon behalf of which the
individual(s) acted, executed the instru	ment.
	Swan Gathy Dury Notary Public

The Assignee: ZOLL Medical Corporation

Signature: Date: 3/5/20/5

Name: Michael J. Carbonello

Title: Intellectual Property Counsel, ZOLL Medical Corporation

Commonwealth of Massachusetts ) ss.:

County of Middlesex ) in the year 20/10 before me, the undersigned, a Notary Public in and for said State, personally appeared Michael J. Carbonello 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.

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