

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel M. Lisogurski	03/23/2005
Frederick J. Geheb	03/28/2005
Michael R. Dupelle	03/24/2005
Gary A. Freeman	03/31/2005
Martin E. Bures	03/23/2005
Gideon D. Butler	03/24/2005
David N. Craige	03/23/2005
Marc Cordaro	03/28/2005
Deborah T. Jones	03/23/2005
Michael Lopin	03/23/2005
Michael Parascandola	03/23/2005

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:	13450563

CORRESPONDENCE DATA

Fax Number: (877)769-7945
 Phone: (617) 542-5070
 Email: christiano@fr.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

CH \$40.00 13450563

Correspondent Name:	G. R. Lee
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	04644-0164002
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NAME OF SUBMITTER:	Maureen Christiano
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Total Attachments: 12
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ASSIGNMENT

For valuable consideration, we, Daniel M. Lisogurski of Medford, MA; Frederick J. Geheb of Danvers, MA; Michael R. Dupelle of N. Attleboro, MA; Gary A. Freeman of Newton Center, MA; Martin E. Bures of Arlington, MA; Gideon D. H. Butler of Portsmouth, NH; David N. Craige III of Attleboro, MA; Marc Cordaro of Sudbury, MA; Deborah T. Jones of Dartmouth, MA; Michael Lopin of Newton, MA; and Michael Parascandola of Londonderry, NH hereby assign to ZOLL MEDICAL CORPORATION, a corporation of Massachusetts, having a place of business at 269 Mill Road, Chelmsford, MA 01824-4105, 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 MONITORING PHYSIOLOGICAL SIGNALS DURING EXTERNAL ELECTRICAL STIMULATION, filed February 10, 2005, and assigned U.S. Serial Number 11/055,572; 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: March 23, 2005

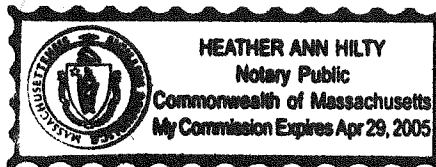
Daniel M. Lisogurski MAR 23/2005
DANIEL M. LISOGURSKI

STATE OF Massachusetts)
COUNTY OF Essex) SS.

On March 23, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared DANIEL M. LISOGURSKI 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.

Heather Ann Hilty
Notary Public



DATE: 3/28/05

FREDERICK J. GEHEB
FREDERICK J. GEHEB

STATE OF Massachusetts)
COUNTY OF Essex) SS.

On March 28, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared FREDERICK J. GEHEB 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.

Heather Ann Hilty
Notary Public



DATE: March 24, 2005

Michael R. Dupelle
MICHAEL R. DUPELLE

STATE OF Rhode Island
COUNTY OF Providence SS.

On March 24, 2005, before me, the undersigned, a notary public for the State of Rhode Island, there personally appeared MICHAEL R. DUPELLE 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.

Latria Glabe
Notary Public
my commission expires: 5-10-07

DATE: 3/31/05

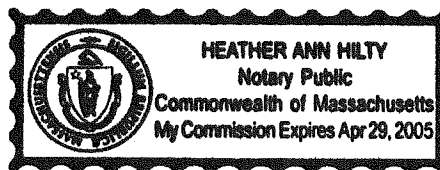
Gary A. Freeman
GARY A. FREEMAN

STATE OF Massachusetts)
COUNTY OF Essex) SS.

On March 31, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared GARY A. FREEMAN 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.

Heather Ann Hilty
Notary Public



DATE: March 23, 2005

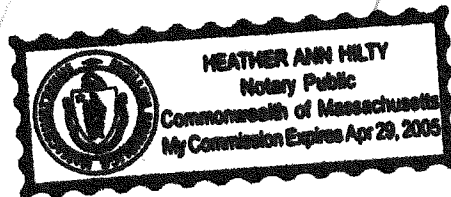
Martin E. Bures
MARTIN E. BURES

STATE OF Massachusetts
COUNTY OF Essex) SS.

On March 23, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MARTIN E. BURES 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.

Heather Ann Hilty
Notary Public



DATE: March 24, 2005

Gideon Butler
GIDEON D. H. BUTLER

STATE OF Massachusetts
COUNTY OF Essex) SS.

On March 24, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared GIDEON D. H. BUTLER 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.

Heather Ann Hilty
Notary Public



DATE: 3-23-05

DAVID N. CRAIGE III
DAVID N. CRAIGE III

STATE OF Rhode Island
COUNTY OF Providence SS.

On March 23 2005, before me, the undersigned, a notary public for the State of Rhode Island, there personally appeared DAVID N. CRAIGE III 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.

Notary Public
my commission expires: 5-10-07

DATE: 3/28/2005

Marc A. C.
MARC CORDARO

STATE OF Massachusetts
COUNTY OF Essex) SS.

On _____, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MARC CORDARO 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.

Heather Ann Hilty
Notary Public



DATE: March 23, 2005

Deborah T. Jones
DEBORAH T. JONES

STATE OF Rhode Island
COUNTY OF Providence) SS.

On March 23, 2005, before me, the undersigned, a notary public for the State of Rhode Island, there personally appeared DEBORAH T. JONES 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 her authorized capacity and that by her signature on this Assignment, the person or the entity upon behalf of which she acted, executed this Assignment.

WITNESS my hand and official seal.

Patricia Glahn
Notary Public
My commission expires 5-10-07

DATE: 3-23-05

Michael L. Lopin
MICHAEL LOPIN

STATE OF Massachusetts)
COUNTY OF Essex) SS.

On March 23, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MICHAEL LOPIN 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.

Heather Ann Hilty
Notary Public



DATE: March 23, 2005


MICHAEL PARASCANDOLA

STATE OF Massachusetts)
COUNTY OF Essex) SS.

On March 23, 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MICHAEL PARASCANDOLA 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.


Notary Public



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