

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xusheng Zhang</td> <td>08/27/2009</td> </tr> <tr> <td>David A Anderson</td> <td>09/01/2009</td> </tr> <tr> <td>Jeffrey M Huston</td> <td>09/11/2009</td> </tr> <tr> <td>Jeffrey M. Gillberg</td> <td>09/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xusheng Zhang	08/27/2009	David A Anderson	09/01/2009	Jeffrey M Huston	09/11/2009	Jeffrey M. Gillberg	09/03/2009
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Xusheng Zhang	08/27/2009										
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Medtronic, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>710 Medtronic Parkway N.E.</td> </tr> <tr> <td>City:</td> <td>Minneapolis</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55432-5640</td> </tr> </table>		Name:	Medtronic, Inc.	Street Address:	710 Medtronic Parkway N.E.	City:	Minneapolis	State/Country:	MINNESOTA	Postal Code:	55432-5640
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Postal Code:	55432-5640										
PROPERTY NUMBERS Total: 1											
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Application Number:	12495204										
CORRESPONDENCE DATA											
<p>Fax Number: (651)735-1102</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6517351100</p> <p>Email: hughes@ssiplaw.com</p> <p>Correspondent Name: Shumaker & Sieffert</p> <p>Address Line 1: 1625 Radio Drive</p> <p>Address Line 2: Suite 300</p> <p>Address Line 4: Woodbury, MINNESOTA 55125</p>											
ATTORNEY DOCKET NUMBER:	P0032040.00/1111-128US01										
NAME OF SUBMITTER:	Allison M. Hughes										
Total Attachments: 20											

CH \$40.00 12495204

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PATENT
REEL: 023271 FRAME: 0413

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ASSIGNMENT

WHEREAS, WE, Xusheng Zhang of 5958 Birchwood Street, Shoreview, Minnesota 55126; David A. Anderson of 39909 Palm Street NW, Stanchfield, Minnesota 55080; Jeffrey M. Huston of 3533 37th Avenue NE, Minneapolis, Minnesota 55421; and Jeffery M. Gillberg of 155 107th Lane NW, Coon Rapids, Minnesota 55448, are the inventors of HEART SOUND SENSING TO REDUCE INAPPROPRIATE TACHYARRHYTHMIA THERAPY, for which an application for a United States Patent was filed on June 30, 2009, under Serial No. 12/495,204; and

WHEREAS, MEDTRONIC, INC., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, and also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue or extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

ASSIGNMENT

Page 1 of 5

P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0415

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 27th day of August, 2009.

Xusheng Zhang
Xusheng Zhang

STATE OF MINNESOTA

COUNTY OF Ramsey

On this 27th day of August, 2009, before me personally appeared Xusheng Zhang, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Carrie M Arcand
Notary Public



ASSIGNMENT

Page 2 of 5

P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0416

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

David A. Anderson

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared David A. Anderson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0417

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffrey M. Huston

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffrey M. Huston, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffery M. Gillberg

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffery M. Gillberg, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0419

ASSIGNMENT

WHEREAS, WE, Xusheng Zhang of 5958 Birchwood Street, Shoreview, Minnesota 55126; David A. Anderson of 39909 Palm Street NW, Stanchfield, Minnesota 55080; Jeffrey M. Huston of 3533 37th Aveune NE, Minneapolis, Minnesota 55421; and Jeffery M. Gillberg of 155 107th Lane NW, Coon Rapids, Minnesota 55448, are the inventors of HEART SOUND SENSING TO REDUCE INAPPROPRIATE TACHYARRHYTHMIA THERAPY, for which an application for a United States Patent was filed on June 30, 2009, under Serial No. 12/495,204; and

WHEREAS, MEDTRONIC, INC., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, and also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

ASSIGNMENT

Page 1 of 5

P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0420

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Xusheng Zhang

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Xusheng Zhang, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0421

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 1st day of September, 2009.

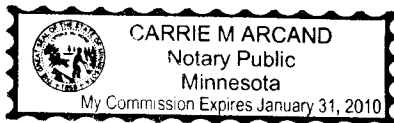
David A. Anderson
David A. Anderson

STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 1st day of September, 2009, before me personally appeared David A. Anderson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Carrie M Arcand
Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0422

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffrey M. Huston

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffrey M. Huston, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0423

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffery M. Gillberg

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffery M. Gillberg, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

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Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0424

ASSIGNMENT

WHEREAS, WE, Xusheng Zhang of 5958 Birchwood Street, Shoreview, Minnesota 55126; David A. Anderson of 39909 Palm Street NW, Stanchfield, Minnesota 55080; Jeffrey M. Huston of 3533 37th Aveune NE, Minneapolis, Minnesota 55421; and Jeffery M. Gillberg of 155 107th Lane NW, Coon Rapids, Minnesota 55448, are the inventors of HEART SOUND SENSING TO REDUCE INAPPROPRIATE TACHYARRHYTHMIA THERAPY, for which an application for a United States Patent was filed on June 30, 2009, under Serial No. 12/495,204; and

WHEREAS, MEDTRONIC, INC., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, and also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

ASSIGNMENT

Page 1 of 5

P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0425

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Xusheng Zhang

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Xusheng Zhang, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

David A. Anderson

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared David A. Anderson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

Page 3 of 5


P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0427

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 11 day of SEPTEMBER, 2009.



Jeffrey M. Huston


STATE OF MINNESOTA

COUNTY OF

On this 11 day of SEPTEMBER, 2009, before me personally appeared Jeffrey M. Huston, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.





Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0428

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffery M. Gillberg

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffery M. Gillberg, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

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P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0429

ASSIGNMENT

WHEREAS, WE, Xusheng Zhang of 5958 Birchwood Street, Shoreview, Minnesota 55126; David A. Anderson of 39909 Palm Street NW, Stanchfield, Minnesota 55080; Jeffrey M. Huston of 3533 37th Avenue NE, Minneapolis, Minnesota 55421; and Jeffrey M. Gillberg of 155 107th Lane NW, Coon Rapids, Minnesota 55448, are the inventors of HEART SOUND SENSING TO REDUCE INAPPROPRIATE TACHYARRHYTHMIA THERAPY, for which an application for a United States Patent was filed on June 30, 2009, under Serial No. 12/495,204; and

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AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

ASSIGNMENT

Page 1 of 5

P0032040.00/1111-128US01

PATENT

REEL: 023271 FRAME: 0430

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Xusheng Zhang

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Xusheng Zhang, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

Page 2 of 5

P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0431

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

David A. Anderson

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared David A. Anderson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

Page 3 of 5

P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0432

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of _____, 2009.

Jeffrey M. Huston

STATE OF MINNESOTA

COUNTY OF

On this _____ day of _____, 2009, before me personally appeared Jeffrey M. Huston, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Notary Public

ASSIGNMENT

Page 4 of 5

P0032040.00/1111-128US01

PATENT
REEL: 023271 FRAME: 0433

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 3rd day of Sept, 2009.

Jeffery M. Gillberg
Jeffery M. Gillberg
Jeffrey

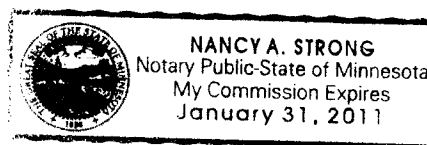
STATE OF MINNESOTA

COUNTY OF

On this 3RD day of SEPTEMBER, 2009, before me personally appeared Jeffery M. Gillberg, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Nancy A. Strong
Notary Public



ASSIGNMENT

Page 5 of 5

P0032040.00/1111-128US01

PATENT

RECORDED: 09/23/2009

REEL: 023271 FRAME: 0434