

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Robert M. Ecker</td><td>04/22/2008</td></tr><tr><td>Jonathan L. Kuhn</td><td>04/22/2008</td></tr><tr><td>James D. Reinke</td><td>04/22/2008</td></tr><tr><td>Can Cinbis</td><td>04/22/2008</td></tr><tr><td>Timothy J. Davis</td><td>04/22/2008</td></tr><tr><td>Paul F. Gerrish</td><td>04/07/2008</td></tr><tr><td>Jonathan P. Roberts</td><td>04/22/2008</td></tr></tbody></table>	Name	Execution Date	Robert M. Ecker	04/22/2008	Jonathan L. Kuhn	04/22/2008	James D. Reinke	04/22/2008	Can Cinbis	04/22/2008	Timothy J. Davis	04/22/2008	Paul F. Gerrish	04/07/2008	Jonathan P. Roberts	04/22/2008	
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Jonathan P. Roberts	04/22/2008																
RECEIVING PARTY DATA																	
Name:	Medtronic, Inc.																
Street Address:	710 Medtronic Parkway																
City:	Minneapolis																
State/Country:	MINNESOTA																
Postal Code:	55432																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12107921</td></tr></tbody></table>	Property Type	Number	Application Number:	12107921													
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Application Number:	12107921																
CORRESPONDENCE DATA																	
Fax Number:	(763)505-2530																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	763-505-0003																
Email:	carrie.m.arcand@medtronic.com																
Correspondent Name:	MEDTRONIC, INC.																
Address Line 1:	710 MEDTRONIC PARKWAY NE																
Address Line 4:	MINNEAPOLIS, MINNESOTA 55432-9924																
ATTORNEY DOCKET NUMBER:	P0024220.00																

CH \$40.00 12107921

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PATENT
REEL: 020843 FRAME: 0361

NAME OF SUBMITTER:

Daniel G. Chapik

Total Attachments: 8

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PATENT

REEL: 020843 FRAME: 0362

ASSIGNMENT

WHEREAS, We Robert M. Ecker, Jonathan L. Kuhn, James D. Reinke, Can Cinbis, Timothy J. Davis, Paul F. Gerrish, Jonathan P. Roberts, are the inventors of the invention entitled OPTICAL DEVICE, and have contemporaneously executed an application based thereon;

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 behoof and use and behoof 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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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.

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 22nd day of April, 2008.

Robert M Ecker
Robert M. Ecker

STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared Robert M Ecker, 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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P0024200.00

PATENT
REEL: 020843 FRAME: 0364

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 22nd day of April, 2008.

Jonathan L. Kuhn
Jonathan L. Kuhn

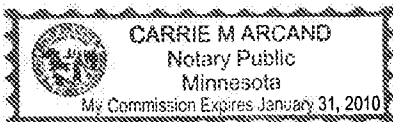
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared Jonathan L. Kuhn, 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 Marcand
Notary Public



ASSIGNMENT
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P0024200.00

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 22nd day of April, 2008.

James D. Reinke
James D. Reinke

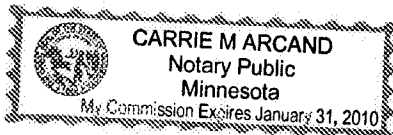
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared James D. Reinke, 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



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 22nd day of April, 2008.


Can Cinbis

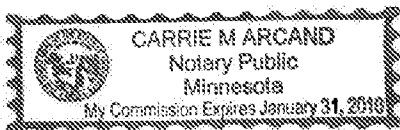
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared Can Cinbis, 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 22nd day of April, 2008.

Timothy J. Davis
Timothy J. Davis

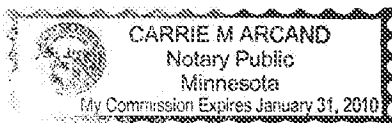
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared Timothy J. Davis, 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

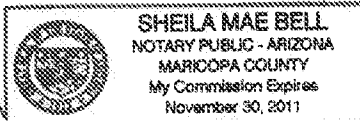


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P0024200.00

PATENT
REEL: 020843 FRAME: 0368

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 7TH day of APRIL, 2008.



Paul F. Gerrish
Paul F. Gerrish

STATE OF ARIZONA

COUNTY OF Maricopa

On this 7th day of April, 2008, before me personally appeared Paul F. Gerrish, 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.

Sheila Mae Bell
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 22 day of April, 2008.



Jonathan P. Roberts

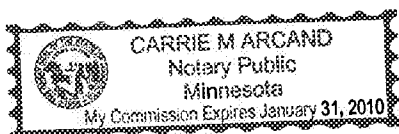
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 22nd day of April, 2008, before me personally appeared Jonathan P. Roberts, 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



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