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Attorney Docket No. <u>P-8134.00</u> FORM PTO-1584



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Honorable Commissioner of P une anaence original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies Lary R. Larson Mark E. Henschel MEDTRONIC, INC. David Brian Hall Brian S. Child Roy L. Inman Patrick F. Malone Samuel F. Haq Scott B. Sleeper Internal Address:_ M.S. 301 Joan A. O'Gara David A. Ruben James E. Volmering Additional name(s) of conveying party(ies) attached? []Yes [X]No Street Address: 7000 CENTRAL AVENUE NORTHEAST 3. Nature of conveyance: City: MINNEAPOLIS State: MN [X] Assignment Merger Change of Name Security Agreement Other_ Execution Date: June 2, 16 and 17, 1999 6-21-99 Additional name(s) & address(es) attached? []Yes [X]No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? []Yes [X]No Name and address of party to whom correspondence Total number of applications and concerning document should be mailed: patents involved: Name: Thomas F. Woods Total fee (37 CFR 3.41):\$40.00 MEDTRONIC, INC. Address: [] Enclosed 7000 Central Avenue N.E. [X] Authorized to be charged to deposit account M.S. 301 Minneapolis, Minnesota 55432 Deposit Account Number: 13-2546 (Attach duplicate copy of this page) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Thomas F. Woods Date Name of Person Signing Signature Total number of pages including cover sheet, attachments and document: OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231 09282485 /24/1999 NSHIFERA 00000042 132546

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PATENT REEL: 010050 FRAME: 0379 Attorney Docket No. <u>P-8134.00</u> FORM PTO-1584

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

•	Name of conveying party(ies): Mark E. Henschel David Brian Hall Brian S. Child		2.	Name and address of receiving party(ies Name: MEDTRONIC, INC.	
	Roy L. Inman Scott B. Sleeper David A. Ruben James E. Volmering	oy L. Inman Patrick F. Malone cott B. Sleeper Samuel F. Haq avid A. Ruben Joan A. O'Gara		Internal Address: M.S. 301	
		dditional name(s) of conveying party(ies) attached? []Yes [X]No		Street Address: 7000 CENTRAL AVENUE NORTHEAST	
•	[X] Assignment [] Security Agreen [] Other	[] Merger		City: MINNEAPOLIS State: MN Zip: 55432	
	Additional name(s) & address(es) attached? []Yes [X]No				
	Application number(s) or patent number(s):				
	If this document is being filed together with a new application, the execution date of the application is:				
١.	Patent Application No	Application No.(s) B. Patent No.(s)			
	Additional numbers attached? []Yes [X]No				
•	Name and address of concerning documen	party to whom correspondence t should be mailed:	6.	Total number of applications and patents involved: 1	
	Name: Tho	mas F. Woods	7.	Total fee (37 CFR 3.41):\$40.00	
	700	DTRONIC, INC. 00 Central Avenue N.E. 1. 301		[] Enclosed [X] Authorized to be charged to deposit account	
		nneapolis, Minnesota 55432	8.	Deposit Account Number: 13-2546 (Attach duplicate copy of this page)	
DO NOT USE THIS SPACE					
•	Statement and signal	ure.			
	To the best of my kno	wledge and belief, the foregoing information is tru	e and correc	t and any attached copy is a true copy of the original document.	
'h	omas F. Woods		<u> </u>	6.716	
	me of Person Signing	Signature		Date	
ìν	1B No. 0651-0011 (exp. 4/	94)	Total	number of pages including cover sheet, attachments and document:	
	Do not detach this portion Mail documents to be recorded with required cover sheet information to:				
	Commissioner of Patents and Trademarks Box Assignments				

PATENT REEL: 010050 FRAME: 0380

Washington, D.C. 20231

ASSIGNMENT

WHEREAS, I/we Mark E. Henschel, David Brian Hall, Roy L. Inman, Scott B. Sleeper, Lary R. Larson, Brian S. Child, Patrick F. Malone, Samuel F. Haq, David A. Ruben, Joan A. O'Gara and James E. Volmering is/are the inventor(s) of *Accelerometer For Implantable Medical Device* for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States on March 31, 1999; therefor; and

WHEREAS, <u>MEDTRONIC</u>, INC. a corporation organized and existing under the laws of the <u>State of Minnesota</u> and having a principal place of business at <u>7000 Central Avenue N.E.</u>, <u>Minnesota 55432</u> 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, I 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 my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and behalf and use and behalf 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, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, I am 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 I have good right and lawful authority to sell and convey the same in the manner herein set forth;

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PATENT REEL: 010050 FRAME: 0381 AND, for the consideration aforesaid, I 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 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, I, or my 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.

IN WITNESS WHEREOF, I have hereunto set my hand on this <u>//</u> day of June, 1999.

Mark E. Hensché

State of (Asizona)
) ss
County of Mosico a

On this $\frac{1}{6}$ day of June, 1999, before me personally appeared Mark E. Henschel, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

the Commission Emires Oct. 30, 1999

IN WITNESS WHEREOF, I have hereunto set my hand on this <u>//</u> day of June, 1999.

David Brian Hall

State of Origina) ss.
County of Maricopa)

On this <u>koth</u> day of June, 1999, before me personally appeared David Brian Hall, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

OFFICIAL SEAL
JOAN E. CARTER
NOTARY PUBLIC-ARIZONA
MARICOPA COUNTY
My Comm. Expires Aug. 25, 2000

IN WITNESS WHEREOF, I have hereunto set my hand on this _____ day of June, 1999.

Dew Jorh)ss.

On this 2 day of June, 1999, before me personally appeared Roy L. Inman, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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.

Res Average "- Correction Engines March

I hereby request the Honorable Commissioner of Patents and Trademarks to issue

On this // day of June, 1999, before me personally appeared Scott B. Sleeper, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

IN WITNESS WHEREOF, I have hereunto set my hand on this <u>//e</u> day of June, 1999.

Lary R. Larson

State of Crizona) ss

On this $\angle \omega$ day of June, 1999, before me personally appeared Lary R. Larson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

IN WITNESS WHEREOF, I have hereunto set my hand on this <u>//</u> day of June, 1999.

Brian S. Child

state of (Masona) ss

On this $\frac{1}{2}$ day of June, 1999, before me personally appeared Brian S. Child, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

IN WITNESS WHEREOF, I have hereunto set my hand on this $-\frac{1}{2}$ day of June, 1999.

Patrick F. Malone

State of Crizona)

County of Maricopa

On this $/ \cancel{\phi}$ day of June, 1999, before me personally appeared Patrick F. Malone, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

My Commission Expires Oct. SQ. 1999

State of Crizona
) ss.
County of Maricopa
)

On this \angle day of June, 1999, before me personally appeared Samuel F. Haq, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

IN WITNESS WHEREOF, I have hereunto set my hand on this day of June, 1999.

State of Origona) ss.

County of Maricopa

I hereby request the Honorable Commissioner of Patents and Trademarks to issue

On this 16 day of June, 1999, before me personally appeared David A. Ruben, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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

for Commission Excluse Oct. 30, 1996

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 beginning day of June, 1999.

Joan A. O'Gara

State of Origona

State of Maricapa

State of Maricapa

State of Maricapa

On this $\angle 6$ day of June, 1999, before me personally appeared Joan A. O'Gara to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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 My Comple

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IN WITNESS WHEREOF, I have hereunto set my hand on this <u>16</u> day of June, 1999.

James E. Volmering

State of Coar

SS.

County of Maricops)

RECORDED: 06/21/1999

On this / day of June, 1999, before me personally appeared James E. Volmering to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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 Publi

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