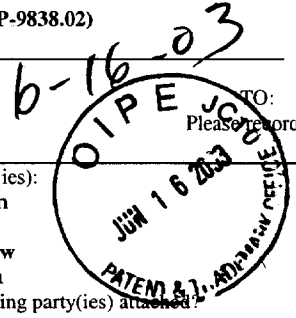


06-19-2003

Docket No.: M190.136.102 (P-9838.02)



102477744



1. Name of conveying party(ies):

Keith M. Johnson
Jack D. Lemmon
Joseph C. Morrow
Timothy R. Ryan

Additional name(s) of conveying party(ies) attached:

No Yes

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **June 6, 2003; June 4, 2003; June 4, 2003; June 9, 2003**

2. Name and address of receiving party(ies):

Name: **Medtronic, Inc.**

Internal Address:

Street Address: **710 Medtronic Parkway**

City: **Minneapolis** State: **Minnesota** ZIP: **55432**

Country: **United States of America**

Additional name(s) & addresses attached?

Yes No

4. 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 Serial No.(s)/Filing Date(s)

10/336,622 / January 2, 2003

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Timothy A. Czaja**

Address: **DICKE, BILLIG & CZAJA, PLLC
Fifth Street Towers, Suite 2250
100 South Fifth Street
Minneapolis, MN 55402**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41). **\$40.00**

Enclosed.
 The Patent Office is hereby authorized to charge Deposit Acct. No. 50-0471 in the amount of \$40.00 for filing of the Assignment document.
 Any deficiencies in enclosed fees should be charged to deposit account 50-0471.

8. Deposit Account Number: 50-0471

(Attach duplicate copy of this page if paying by deposit account)

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.

Timothy A. Czaja
(Name of Person Signing)

Signature

Date

June 11, 2003

Total number of pages comprising cover sheet, attachments and document: **6**

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

WHEREAS, WE, Keith M. Johnson, Jack D. Lemmon, Joseph C. Morrow, and Timothy R. Ryan, are the inventors of:

"PROSTHETIC HEART VALVE SYSTEM"

for which we have executed and have filed an application with the United States Patent and Trademark Office based thereon having U.S. Application Serial No. 10/336,622, and a filing date of January 2, 2003; 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, Minneapolis, Minnesota 55432 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;

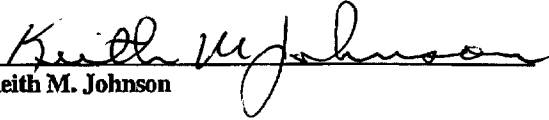
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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 my 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 us had this assignment and sale not been made;

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 joint 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.

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 6th day of JUNE, 2003.


Keith M. Johnson

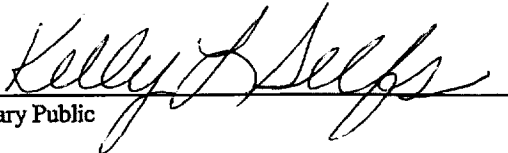
STATE OF MINNESOTA

ss.

COUNTY OF ANOKA

On this 6th day of JUNE, 2003, before me personally appeared Keith M. Johnson, 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



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 4th day of June, 2003.



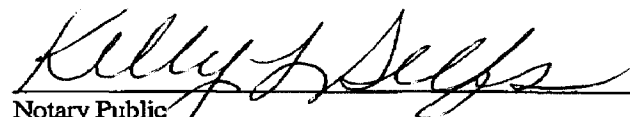
Jack D. Lemmon

STATE OF MINNESOTA

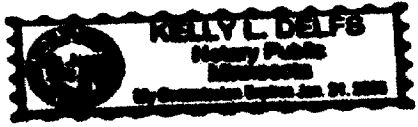
COUNTY OF Anoka SS.

On this 4th day of June, 2003, before me personally appeared Jack D. Lemmon, 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



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 4th day of June, 2003.

Joseph C. Morrow
Joseph C. Morrow

STATE OF MINNESOTA

COUNTY OF Anoka ss.

On this 4th day of June, 2003, before me personally appeared Joseph C. Morrow, 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.

Kelly L. Delfs
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 9th day of June, 2003.

Timothy R. Ryan
Timothy R. Ryan

STATE OF MINNESOTA
COUNTY OF Anoka ss.

On this 9th day of June, 2003, before me personally appeared Timothy R. Ryan, 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.

Kelly L. Delfs
Notary Public

