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FORM COVER SHEET

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MRD

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1. Name of conveying party(ies):

Peter Paul Zilla

Deon Bezuidenhout

Theresa Yvonne Dower

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

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

Name: MEDTRONIC, INC.

Internal Address: M.S. 301

Street Address: 7000 CENTRAL AVENUE NORTHEAST

City: MINNEAPOLIS State: MN Zip: 55432

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement

[ ] Change of Name

[ ] Other

Execution Dates: Peter Paul Zilla - 29 October 1999

Deon Bezuidenhout - 29 October 1999

Theresa Yvonne Dower - 29 October 1999

Additional name(s) & address(es) attached? [ ] Yes [X] 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 No.(s)

Additional numbers attached? [ ] Yes [X] No

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

Name: Reed A. Duthler

Address: MEDTRONIC, INC.  
7000 Central Avenue N.E.  
M.S. 301  
Minneapolis, Minnesota 55432

6. Total number of applications and patents involved: 1

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

[ ] Enclosed

[X] Authorized to be charged to deposit account

8. Deposit Account Number: 13-2546  
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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.

Reed A. Duthler

Name of Person Signing

Signature

11/5/99

Date

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PATENT  
REEL: 010385 FRAME: 0385

**ASSIGNMENT**

WHEREAS, We the following inventors

1.     Name:                 Peter Paul ZILLA  
       Residence:         Camps Bay, South Africa  
       Post Office Address: 14 Dal Road  
                              Camps Bay, South Africa 8005  
       Citizenship:        Austrian
2.     Name:                 Deon BEZUIDENHOUT  
       Residence:         Stellenbosch, South Africa  
       Post Office Address: 2 Liebenhof, Merriman Avenue  
                              Stellenbosch, South Africa 7600  
       Citizenship:        South African
3.     Name:                 Theresa Yvonne DOWER  
       Residence:         Hout Bay, South Africa  
       Post Office Address: 5 Greenacres Close  
                              Hout Bay, South Africa 7806  
       Citizenship:        South African

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

**TRANSMURAL CONCENTRIC MULTILAYER INGROWTH  
MATRIX WITHIN WELL-DEFINED POROSITY**

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors Peter Paul ZILLA, Deon BEZUIDENHOUT and Theresa Yvonne DOWER; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, Medtronic, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Minnesota and having its principal office and place of business at 7000 Central Avenue N.E., Minneapolis, Minnesota 55432, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

## ASSIGNMENT

NOW THEREFORE BE IT KNOWN THAT, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention, in the United States and countries foreign thereto.

29 Oct 1999

Date

Peter Paul Zilla  
Peter Paul ZILLA

29 Oct 1999

Date

Deon Bezuidenhout  
Deon BEZUIDENHOUT

29 Oct 1999

Date

Theresa Yvonne Dower  
Theresa Yvonne DOWER