

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3995471

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MEDTRONIC, INC.	10/24/2007
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ARTERIOCYTE MEDICAL SYSTEMS, INC.	
<b>Street Address:</b>	11000 CEDAR AVENUE	
<b>City:</b>	CLEVELAND	
<b>State/Country:</b>	OHIO	
<b>Postal Code:</b>	44106	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	7897054	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(212)983-3115	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	(212) 692-6858	
<b>Email:</b>	IPDocketingBOS@mintz.com	
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<b>Address Line 4:</b>	NEW YORK, NEW YORK 10017	
<b>ATTORNEY DOCKET NUMBER:</b>	37272-511C03US	
<b>NAME OF SUBMITTER:</b>	BORIS A. MATVENKO, ESQ.	
<b>SIGNATURE:</b>	/Boris A. Matvenko, Esq./	
<b>DATE SIGNED:</b>	08/05/2016	
<b>Total Attachments: 6</b>		
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source=_RFCS and Assignment_Medtronic to Arteriocyte#page4.tif		
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**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Medtronic, Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: Arteriocyte Medical Systems, Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

11000 Cedar Avenue

City: Cleveland

State: Ohio

Country: United States of America Zip: 44106

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) October 24, 2007

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

12/454,839

B. Patent No.(s)

7,897,054

Additional numbers attached? ☐ Yes ☒ No

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

Boris A. Matvenko, Esq.  
MINTZ LEVIN COHN FERRIS GLOVSKY  
AND POPEO, P.C.

Internal Address: \_\_\_\_\_

Street Address: Chrysler Center

666 Third Avenue

City: New York

State: NY Zip: 10017

Phone Number: (212) 692-6858

Docket Number: 37272-511C03US

Email Address: IPDocketingBOS@mintz.com

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

2

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 80.00

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 50-0311

Authorized User Name Boris A. Matvenko, Esq.

**9. Signature:** /Boris A. Matvenko/  
Signature

August 5, 2016  
Date

Boris A. Matvenko, Esq. - 48,165

Name of Person Signing

Total number of pages including  
cover  
sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## PATENT ASSIGNMENT

WHEREAS, Medtronic, Inc. (the "Assignor") is the owner of the entire right, title and interest in and to the United States patents and patent applications, and such foreign patents and patent applications, as listed on Schedule 2.1(d)(i), attached hereto and made a part hereof, together with all reissuances, continuations, continuations-in-part, renewals, divisions, revisions, extensions, reexaminations and foreign counterparts thereof, the inventions described therein and all rights associated therewith (collectively, the "Patents");

WHEREAS, the Assignor is desirous of transferring to its designee ownership of said Patents;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the Assignor, for itself and its successors and assigns, does hereby transfer, assign and set over unto **Arteriocyte Medical Systems, Inc.**, a Delaware corporation, its successors, transferees and assigns, all of Assignor's present and future right, title and interest in and to the Patents, all rights to seek and collect damages and other relief for past and future infringements and all proceeds thereof and all other rights and proceeds associated therewith.

IN WITNESS WHEREOF, the undersigned has caused this Patent Assignment to be executed by its duly authorized officer as of this 24th day of October, 2007.

### WITNESS:

By: 

Print Name: Jeffrey J. Steinfeld

Title: Senior Legal Director

Medtronic, Inc.

By: 

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

# ACKNOWLEDGEMENT

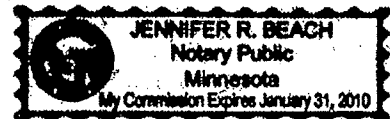
State of Minnesota )

SS

County of Anoka )

On the 24th day of October in the year 2007 before me, the undersigned, personally appeared Bob White, Vice President, Corporate Development, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

*Jennifer R Beach*



PATENT

REEL: 039357 FRAME: 0473

**SCHEDULE 2.1(e)(i): PATENT RIGHTS**

<b>Medtronic P#00</b>	<b>Application Serial No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Grant Date</b>
4436.00	60/010,922	01/31/1996	none	none (PRV)
4436.00	08/786,028	01/21/1997	5,769,385	06/23/1998
4438.00	60/010,944	01/31/1996	none	none (PRV)
4438.00	08/790,076	01/28/1997	5,851,169	12/22/1998
4439.00	60/010,924	01/31/1996	none	none (PRV)
4439.00	08/788,427	01/28/1997	5,855,773	01/05/1999
4447.00	60/010,939	01/31/1996	none	none (PRV)
4447.00	08/791,179	01/31/1997	5,964,724	10/12/1999
4447.01 PCT	PCT/US97/01760	02/03/1997	none	none (PCT)
4447.02 EP	97906482.1	02/03/1997	none	pending
4447.03 Con1	09/288,145	04/08/1999	6,475,175	11/05/2002
4447.04 Con2	10/189,836	07/08/2002	6,855,119	02/15/2005
4457.00	08/640,278	04/30/1996	none	abandoned
4457.01 PCT1	PCT/US97/08472	04/30/1997	none	none (PCT)
4457.02 CIP1	09/063,338	04/20/1998	6,444,228	09/03/2002
4457.03 JP	539306/97	04/30/1997	pending	
4457.04 DE	29723807.8	04/30/1997	29723807.8	11/04/1999
4457.05 PCT2	PCT/US99/08550	04/19/1999	none	none (PCT)
4457.06 DE	19781869.2	04/30/1997	1978186	10/12/2006
4457.07 DE	19983144.0	04/19/1999	none	pending
4457.08 JP	611964/00	04/19/1999	none	pending
4457.09 Con1	10/173,839	06/18/2002	6,830,762	12/14/2004
4457.10 Con2	10/848,302	05/18/2004	none	pending
4457.11 Div1	11/004,023	12/03/2004	none	pending
4457.12 Con3	11/044,984	01/27/2005	none	pending
4457.13 Con4	11/049,010	02/02/2005	none	pending
4457.14 Con5	11/159,482	06/23/2005	none	pending
4457.15DE	19758895.6-45	06/21/2006	none	pending
4801.00	08/820,201	03/19/1997	5,964,690	10/12/1999

Medtronic P#00	Application Serial No.	Filing Date	Patent No.	Grant Date
4801.01 PCT	PCT/US98/05345	03/18/1998	none	none (PCT)
4801.02 EP	98912962.2	03/18/1998	none	abandoned
4801.02 DE	69809936	03/18/1998	none	abandoned
4801.03 JP	540773/98	03/18/1998	none	pending
4801.04 EP	02014154.5	03/18/1998	none	abandoned
9517.00	09/832,711	04/09/2001	6,579,219	06/17/2003
9517.01 PCT	PCT/US02/10991	04/05/2002	none	none (PCT)
9517.02 Div1	10/462,426	06/16/2003	6,827,863	12/07/2004
9517.03 EP	02733961.3	04/05/2002	none	pending
9517.04 Con1	11/003,681	12/03/2004	none	allowed
9518.00	09/833,230	04/09/2001	6,610,002	08/26/2003
9519.00	09/833,231	04/09/2001	6,582,350	06/24/2003
9520.00	09/832,729	04/09/2001	6,942,639	9/13/2005
9520.01 Con1	11/120,305	05/02/2005	none	pending
9521.00	09/832,730	04/09/2001	6,612,975	09/02/2003
9522.00	09/833,232	04/09/2001	6,589,155	07/08/2003
9522.01 PCT	PCT/US02/10721	04/05/2002	none	none (PCT)
9522.02 EP	02763954.1	04/05/2002	none	pending
9523.00	09/832,881	04/09/2001	none	abandoned
9523.01 Div1	10/408,406	04/07/2003	6,951,612	10/04/2005
9524.00	09/832,741	04/09/2001	6,596,181	07/22/2003
9525.00	09/832,516	04/09/2001	6,605,028	08/12/2003
9526.00	09/832,463	04/09/2001	6,790,371	09/14/2004
9526.01 Div1	10/396,871	03/25/2003	6,887,371	05/03/2005
9527.00	09/833,233	04/09/2001	6,835,316	12/28/2004
9527.01 Con1	11/003,912	12/03/2004	none	pending
9528.00	09/833,234	04/09/2001	6,596,180	07/22/2003
9528.01 PCT	PCT/US02/10989	04/05/2002	none	none (PCT)
9528.02 EP	02731293.3	04/05/2002	none	pending
9529.00	09/832,518	04/09/2001	6,942,880	09/13/2005
9529.01 Con1	11/172,200	06/30/2005	none	pending

Medtronic P#00	Application Serial No.	Filing Date	Patent No.	Grant Date
9530.00	09/832,517	04/09/2001	6,719,901	4/13/2004
9530.01 Con1	10/738,439	12/17/2003	6,899,813	05/31/2005
9530.02 Div1	11/115,076	04/26/2005	none	pending
10222.00	60/283,141	04/09/2001	none	none (PRV)
10222.00	10/116,729	04/04/2002	6,890,728	05/10/2005
10222.01 PCT	PCT/US02/10676	04/04/2002	none	none (PCT)
10222.02 JP	579045/02	04/04/2002	none	pending
10222.03 EP	02725527.2	04/04/2002	none	pending
10372.00	09/961,793	09/24/2001	6,589,153	07/08/2003
10372.01 PCT	PCT/US02/28158	09/04/2002	none	none (PCT)
10372.02 Div1	10/431,894	05/08/2003	6,793,828	09/21/2004
10372.03 JP	530429/03	09/04/2002	none	pending
10372.04 EP	02766230.3	09/04/2002	none	pending
10443.00	60/388,822	06/14/2002	none	none (PRV)
10443.00	10/212,430	08/05/2002	6,936,033	08/30/2005
10443.01 PCT	PCT/US03/18591	06/12/2003	none	none (PCT)
10433.02	10/876,147	06/24/2004	none	pending
10906.00	60/388,877	06/14/2002	none	none (PRV)
10906.00	10/340,702	01/10/2003	6,982,038	01/03/2006
10906.01 PCT	PCT/US2003/018527	06/12/2003	none	none (PCT)
10906.02 EP	03760288.5	06/12/2003	none	pending
10906.03 Con1	11/271,434	11/10/2005	none	pending
10906.04	11/518,485	09/08/2006	none	pending
10906.06	11/810,071	06/04/2007	none	pending
20476.00	60/629,434	11/19/2004	none	none (PRV)
20476.01	11/282,276	11/18/2005	none	pending
21801.01	11/341,153	01/27/2006	none	pending
23923.00	60/794,971	04/26/2006	none	None (PRV)
23923.01	11/796,045	04/26/2007	none	pending
23923.02	PCT/US07/67494	04/26/2007	none	(active PCT)