

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 279.I83US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying parties:

Joseph M. Bocek, Harley G. White, James O. Gilkerson,
John M. Link

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: November 1, 2011, November 14,
2011, October 25, 2011, November 2, 2011

2. Name and address of receiving party:

Name: Cardiac Pacemakers, Inc.

Street Address: 4100 Hamline Avenue North

City: St. Paul State: MN Zip: 55112-5798Country: United States of AmericaAdditional name(s) & address(es) 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 No.(s)

B. Patent No.(s)

Serial No. 13/297,785, filed November 16, 2011

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Suneel Arora

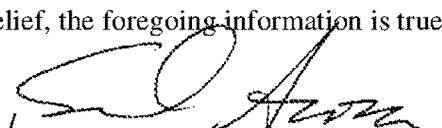
Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account
19-07438. Please charge any additional fees or credit any over
payments to our Deposit Account No.: 19-0743**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.Suneel Arora/Reg. No. 42,267

Name of Person Signing



Signature

January 9, 2012

Date

Total number of pages including cover sheet: 25

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks**Mail Stop Assignment Recordation Services****P.O. Box 1450****Alexandria, VA 22313-1450**

Attorney Docket No. 279.183US1
Client Ref. No. 10-067

ASSIGNMENT

WHEREAS, We, Joseph M. Bocek, residing at 857 E. Gwinn Place, Seattle, WA 98102, and Harley G. White, residing at 3401 Boxelder Drive, Fort Collins, CO 80524, and James O. Gilkerson, residing at 10800 Kelvin Avenue North, Stillwater, MN 55082, and John M. Link, residing at 16918 NE 42nd Street, Redmond, WA 98052, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE;

WHEREAS, We hereby authorize and request the attorneys, representing Cardiac Pacemakers, Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/297,785; Filing Date: November 16, 2011) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Cardiac Pacemakers, Inc. (the "Assignee"), a corporation of the State of Minnesota, having a place of business at 4100 Hamline Avenue North, St. Paul, MN 55112-5798, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 45458 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/425,056, filed on December 20, 2010.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 2 of 6

Docket No: 279.183US1

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 3 of 6

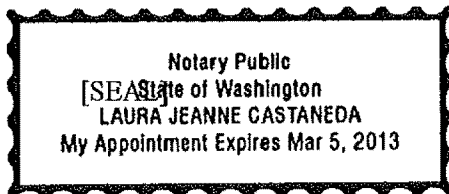
Docket No: 279.I83US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1st day of
November, 2011.

Joseph M Bocek
Joseph M. Bocek

STATE OF Washington)
)ss
COUNTY OF King)

On this 1st day of November, 2011 before me personally appeared
Joseph M. Bocek, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.



Laura Castaneda
Notary Public

ASSIGNMENT

Docket No: 279.I83US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 4 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 20____.

Harley G. White

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
Harley G. White, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Docket No: 279.183US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 5 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 20____.

James O. Gilkerson

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared James O. Gilkerson, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 6 of 6

Docket No: 279.183US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of

_____, 20____.

John M. Link

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared John M. Link, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

Attorney Docket No. 279.183US1
Client Ref. No. 10-067

ASSIGNMENT

WHEREAS, We, Joseph M. Bocek, residing at 857 E. Gwinn Place, Seattle, WA 98102, and Harley G. White, residing at 3401 Boxelder Drive, Fort Collins, CO 80524, and James O. Gilkerson, residing at 10800 Kelvin Avenue North, Stillwater, MN 55082, and John M. Link, residing at 16918 NE 42nd Street, Redmond, WA 98052, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE;

WHEREAS, We hereby authorize and request the attorneys, representing Cardiac Pacemakers, Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/297,785; Filing Date: November 16, 2011) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Cardiac Pacemakers, Inc. (the "Assignee"), a corporation of the State of Minnesota, having a place of business at 4100 Hamline Avenue North, St. Paul, MN 55112-5798, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 45458 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/425,056, filed on December 20, 2010.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 2 of 6

Docket No: 279.183US1

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Docket No: 279.183US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 3 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 20____.

Joseph M. Bocek

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
Joseph M. Bocek, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 4 of 6

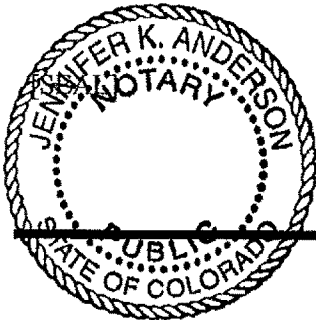
Docket No: 279.183US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14th day of
November, 20 11.

Harley G. White
Harley G. White

STATE OF Colorado)
)ss
COUNTY OF Larimer)

On this 14th day of November, 20 11 before me personally appeared
Harley G. White, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.



Jennifer K. Anderson
Notary Public

My Commission Expires 09/23/2013

ASSIGNMENT

Docket No: 279.183US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 5 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 20____.

James O. Gilkerson

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
James O. Gilkerson, to me known and known to me to be the person described in and who
executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the
same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Client Ref. No. 10-067

Docket No: 279.I83US1

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 6 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 20____.

John M. Link

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared John M. Link, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

Attorney Docket No. 279.183US1
Client Ref. No. 10-067

ASSIGNMENT

WHEREAS, We, Joseph M. Bocek, residing at 857 E. Gwinn Place, Seattle, WA 98102, and Harley G. White, residing at 3401 Boxelder Drive, Fort Collins, CO 80524, and James O. Gilkerson, residing at 10800 Kelvin Avenue North, Stillwater, MN 55082, and John M. Link, residing at 16918 NE 42nd Street, Redmond, WA 98052, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE;

WHEREAS, We hereby authorize and request the attorneys, representing Cardiac Pacemakers, Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/297,785; Filing Date: November 16, 2011) the filing date and application number of said application when known.

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AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 45458 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/425,056, filed on December 20, 2010.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 2 of 6

Docket No: 279.I83US1

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COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

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AGREED as of the date of my signature below:

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 3 of 6

Docket No: 279.I83US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 20____.

Joseph M. Bocek

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
Joseph M. Bocek, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 4 of 6

Docket No: 279.183US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 20____.

Harley G. White

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
Harley G. White, to me known and known to me to be the person described in and who executed
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

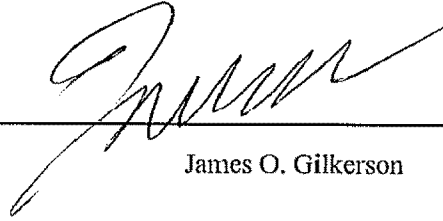
Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

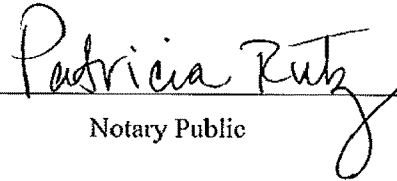
Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 5 of 6

Docket No: 279,183US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25th day ofOctober, 2011.
James O. GilkersonSTATE OF MNCOUNTY OF RAMSEY)ss

On this 25 day of October, 2011 before me personally appeared James O. Gilkerson, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.


Notary Public

ASSIGNMENT

Client Ref. No. 10-067

Docket No: 279.I83US1

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 6 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 20____.

John M. Link

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared John M. Link, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

Attorney Docket No. 279.183US1
Client Ref. No. 10-067

ASSIGNMENT

WHEREAS, We, Joseph M. Bocek, residing at 857 E. Gwinn Place, Seattle, WA 98102, and Harley G. White, residing at 3401 Boxelder Drive, Fort Collins, CO 80524, and James O. Gilkerson, residing at 10800 Kelvin Avenue North, Stillwater, MN 55082, and John M. Link, residing at 16918 NE 42nd Street, Redmond, WA 98052, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE;

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Additional Application Information

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No U.S. Non-Provisional claim for priority is being made at this time.

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ASSIGNMENT

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Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 2 of 6

Docket No: 279.183US1

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Docket No: 279.I83US1

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Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

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_____, 20____.

Joseph M. Bocek

STATE OF _____)
_____)ss
COUNTY OF _____)

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[SEAL]

Notary Public

ASSIGNMENT

Docket No: 279.I83US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 4 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 20____.

Harley G. White

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared Harley G. White, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Docket No: 279,183US1

Client Ref. No. 10-067

Assignors: Joseph M. Bocek et al.

Title: LEAD FAULT DETECTION FOR IMPLANTABLE MEDICAL DEVICE

Page 5 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 20____.

James O. Gilkerson

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared
James O. Gilkerson, to me known and known to me to be the person described in and who
executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the
same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Client Ref. No. 10-067

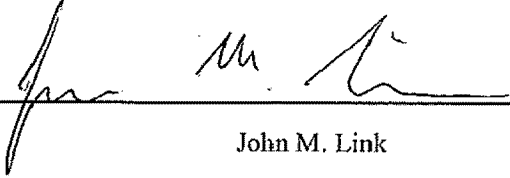
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Page 6 of 6

Docket No: 279.183US1

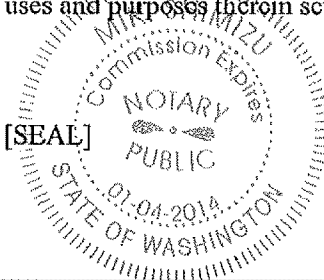
IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of
November, 2011.

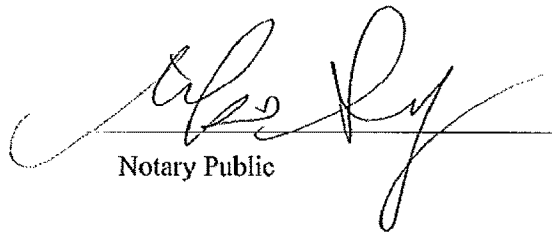


John M. Link

STATE OF Washington)
)ss
COUNTY OF King)

On this 2nd day of November, 2011 before me personally appeared
John M. Link, to me known and known to me to be the person described in and who executed the
foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the
uses and purposes therein set forth.





Notary Public