

FORM PTO-1595 (REV. 6/04)

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

1. Name of conveying parties:

Chad HARRIS, Matthew HAWK, Jacob ROONEY, Mark SMITH, Timothy OSTROOT

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

3. Nature of conveyance:

☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other: Re-record to remove 11/049,695 (reel/frame 016490/0536) and to record with corrected serial no. 11/049,645.
 Execution date: 03/23/05; 03/23/05; 03/23/05; 04/05/05; and 03/23/05

2. Name and address of receiving party:

Name: Boston Scientific Scimed, Inc.
 Street Address: One Scimed Place
 City: Maple Grove
 State: Minnesota USA
 Zip: 55311-1566

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

4. Application numbers or patent numbers:

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Applications:

11/049,645

B. Patent No.(s):

Additional Numbers attached? ☐ Yes ☒ No

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

Name: Douglas E. Ringel, Esq.
 Internal Address: KENYON & KENYON

Street Address: 1500 K Street, N.W., Suite 700
 City: Washington State: DC ZIP: 20005

CUSTOMER NO. 23838

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00

☐ Enclosed
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8. Deposit account number:

11-0600

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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.

Douglas E. Ringel (Reg. No. 34,416)

Name of Person Signing

Signature

January 25, 2006

Date

Total Number of pages including cover sheet, attachments and document: 11

OMB No. 0651-0027 (exp. 6/30/2005)

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04-28-2005

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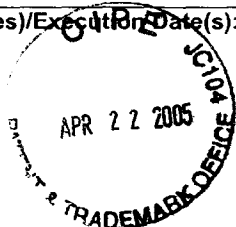
To the Director of the U.S. Patents and Trademark Office

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1. Name of conveying party(ies)/Execution Date(s):

Chad Harris
Matthew Hawk
Jacob Rooney
Mark Smith
Timothy Ostroot



Execution Date(s) 03-23-05; 03-23-05; 03-23-05; 04-05-05; 03-23-05

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Boston Scientific Scimed, Inc.

Internal Address: _____

Street Address: One Scimed Place

City: Maple Grove State: Minnesota

Country: USA

Zip: 55311-1566

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

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

A. Patent Application No.(s)
11/049,695



This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Zeba Ali

Internal Address: KENYON & KENYON

Street Address: 1500 K Street, N.W.

City: Washington, D.C.

State: _____ Zip: 20005

Phone Number: 202 220 4200

Fax Number: 202 220 4201

Email Address: zali@kenyon.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41)

\$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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9. Signature :

[Signature]
Signature

April 22, 2005

Date

Zeba Ali, Registration #51,392

561706

Name of Person Signing

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04/27/2005 6TON11 00000049 110600 11049695
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PATENT
REEL: 017082 FRAME: 0533

ASSIGNMENT

WHEREAS, We,

- 1) Chad Harris, a citizen of USA;
- 2) Matthew Hawk, a citizen of USA;
- 3) Jacob Rooney, a citizen of USA;
- 4) Mark Smith, a citizen of USA;
- 5) Timothy Ostroot, USA.

- 1) 11451 77th Street, NE, Albertville, MN 55301
- 2) 8765 Palmgren Avenue N.E., Otsego, MN 55330;
- 3) 43702 Co Rd 19, Belgrade, MN 56312;
- 4) 11137 Bittersweet Street, Coon Rapids, MN 55433;
- 5) 17037 Co. Road, 35 N.W. Cokato, MN 55321.

(hereinafter also referred to as "the Assignors"); have invented new and useful improvements in a **NON-CORING NEEDLES AND METHODS OF MANUFACTURING SAME** for which we have made application for Letters Patent of the United States, said application being filed in the United States Patent and Trademark Office on February 4, 2005 and accorded Serial No. 11/049,645.

WHEREAS, **BOSTON SCIENTIFIC SCIMED, INC.**, organized and existing under and by virtue of the laws of the State of Minnesota, having an office at One SCIMED Place, Maple Grove, Minnesota 55311-1566, (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, in consideration of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to me, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23rd
day of March, 2005.

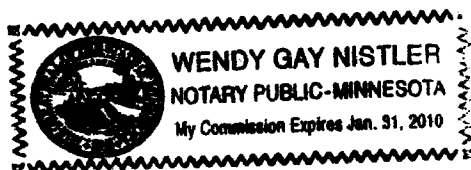
Chad Harris

Chad Harris

United States of America)

State/Commonwealth of Minnesota) ss.:County of Hennepin)

On this 23 day of Mar 2005 before me personally came Chad Harris, to me known
to be the individual described in and who executed the foregoing instrument, and acknowledged
execution of same.



Wendy G Nistler
Notary Public

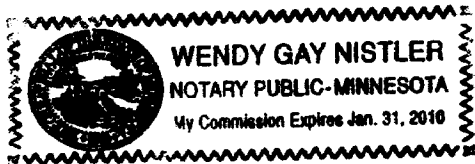
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23rd
day of March, 2005.

Matthew Hawk
Matthew Hawk

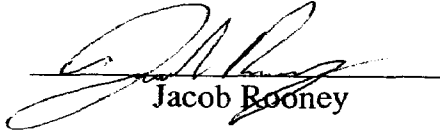
United States of America)
State/Commonwealth of Minnesota) ss.:
County of Hennepin)

On this 23 day of Mar 2005 before me personally came Matthew Hawk, to me
known to be the individual described in and who executed the foregoing instrument, and
acknowledged execution of same.

Wendy G Nistler
Notary Public

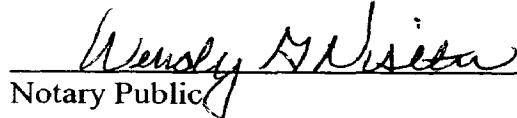


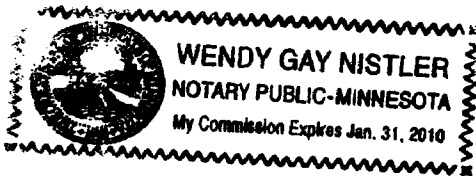
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23
day of March, 2005.


Jacob Rooney

United States of America)
State/Commonwealth of Minnesota) ss.:
County of Hennepin)

On this 23 day of Mar 2005 before me personally came Jacob Rooney, to me
known to be the individual described in and who executed the foregoing instrument, and
acknowledged execution of same.


Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5 day of APRIL, 2005.


Mark Smith

United States of America)
State/Commonwealth of Minnesota) ss.:
County of Hennepin)

On this 5th day of April 2005 before me personally came Mark Smith, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.




Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23 day of March, 2005.

Timothy Ostroot
Timothy Ostroot

United States of America)
State/Commonwealth of Minnesota) ss.:
County of Hennepin)

On this 23 day of Mar 2005 before me personally came Timothy Ostroot, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.

Wendy Gay Nistler
Notary Public

