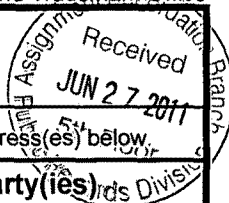


06/27/2011

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

103627957

ET



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)

Robert E. Aillinger

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 04/07/2011

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

2. Name and address of receiving party(ies)Name: Spirus Medical, Inc.

Internal Address: _____

Street Address: 1063 Turnpike StreetCity: StoughtonState: MACountry: USA Zip: 02072Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

12/467,907

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Mark J. PandiscioInternal Address: Pandiscio & Pandiscio, P.C.Street Address: 470 Totten Pond RoadCity: WalthamState: MA Zip: 02451Phone Number: (781) 290-0060Fax Number: (781) 290-4840

Email Address: _____

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 (any deficiencies)
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 16-022106/27/2011 HTON11 00000030 12467907

Authorized User Name _____

01 FC:802140.00 0P**9. Signature:**

Signature

06/21/2011

Date

Margaret M. Carley

Name of Person Signing

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

4

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

TM2/FA78.REC

FA-78

PATENT

REEL: 026596 FRAME: 0265

ASSIGNMENT

We, James J. Frassica of 5 Essex Place, Chelmsford, MA 01824 and Robert E. Ailinger of 118 Albemarle Road, Norwood, MA 02062, having invented improvements in ROTATE-TO-ADVANCE CATHETERIZATION SYSTEM and having executed an application for United States patent describing the same and based thereon (and we hereby authorize our attorney(s), authorized to prosecute said application, to here insert the filing date and serial number of said application, when known, Serial No. 12/467,907, filed 05/18/2009), for good and valuable consideration, receipt of which is hereby acknowledged from Spirus Medical, Inc., a Delaware corporation having a place of business at 1063 Turnpike Street, Stoughton, MA 02072, hereinafter called the Assignee (which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee our entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or any part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application.

And for the same consideration we do also hereby sell, assign and transfer unto the Assignee all our rights under the International Convention for the Protection of Industrial Property and all other treaties of like purpose in respect of said inventions and said application and we do hereby authorize the Assignee to apply in our names or its own name for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention or any such other treaty;

And for the same consideration we do hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be

*Pandiscio & Pandiscio, P.C.
470 Totten Pond Road
Waltham, MA 02451
Tel. (781) 290 0060*

FA-78


deemed necessary or desirable by the Assignee fully to secure to it said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them, all, however, at the expense of the Assignee;

And we do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Officer of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;

And we do hereby jointly and severally covenant for ourselves and for our respective legal representatives and agree with the Assignee that we have granted no right or license to make, use or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title and interest in and to said inventions has not been otherwise encumbered by us, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we hereunto set our hands and seals on the day and year hereinafter noted.

James J. Frassica



Robert E. Ailinger

Pandiscio & Pandiscio, P.C.
470 Totten Pond Road
Waltham, MA 02451
Tel. (781) 290 0060

FA-78

State of _____)
County of _____) ss.

Before me this _____ day of _____, 2011,
personally appeared James J. Frassica, who is to me personally
known, and acknowledged the foregoing instrument to be his/her
free act and deed.

SEAL

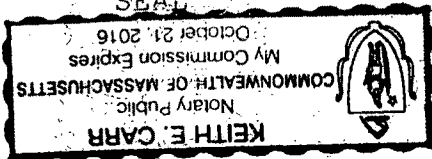
NOTARY PUBLIC

My commission expires: _____

State of Massachusetts)
County of Middlesex) ss.

Before me this 7th day of April, 2011,
personally appeared Robert E. Ailingier, who is to me personally
known, and acknowledged the foregoing instrument to be his/her
free act and deed.

SEAL



Keith E. Carr
NOTARY PUBLIC

My commission expires: 10/21/2016

MMS/FA78.ASN2

Pandiscio & Pandiscio, P.C.
470 Totten Pond Road
Waltham, MA 02451
Tel. (781) 290 0060

FA-78

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: James J. Frassica et al.
Serial No.: 12/467,907
Filed: 05/18/2009
For: ROTATE-TO-ADVANCE CATHETERIZATION SYSTEM
Examiner: Gerald Ernest Landry II
Group Art Unit: 3763
Attorney's Docket No.: FA-78

Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450



Gentlemen:

REQUEST FOR RECORDATION

Please record the enclosed Assignment of the
above-identified patent application from Robert E. Ailinger to
Spirus Medical, Inc.

Also enclosed is a check in the amount of \$40.00 to cover
the cost of recording the Assignment.

If any additional fees are required in connection with this
matter, please charge the same to Deposit Account No. 16-0221.

Thank you.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED
WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL,
POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: DIRECTOR OF
THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, ON:

June 21, 2011

(DATE OF DEPOSIT)

Margaret M. Carley

(NAME OF ATTORNEY)

Margaret M. Carley
(SIGNATURE)

June 21, 2011

(DATE OF SIGNATURE)

TM2/FA78.REC

Respectfully submitted,

Margaret M. Carley

Margaret M. Carley
Registration No. 55,625
Pandiscio & Pandiscio, P.C.
470 Totten Pond Road
Waltham, MA 02451-1914
Tel. (781) 290-0060