

01-07-2003



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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael Frank Mlynski
Dr. Bjorn Henrik Diem
Prof. Dr. Walter Ameling

12-31-02

2. Name and address of receiving party(ies)

Name: See Attachment

Internal Address: _____

Street Address: Woernmannkehre 1City: Berlin, Germany State: _____ Zip: D-12359Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 27, 2002Additional 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)
10/234,023

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Stephen L. GrantInternal Address: Hahn Loeser + Parks LLPStreet Address: Twin Oaks Estate1225 West Market StreetCity: Akron State: OH Zip: 44313-71886. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.*Stephen L. Grant

Name of Person Signing

Signature

23 Dec. 2002

Date

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

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 013620 FRAME: 0338

**ATTACHMENT FOR RECORDATION FORM COVER SHEET
PATENTS ONLY (Form PTO-1595)**

1. Name of conveying party(ies):

Prof. Dr. Peter Hanrath

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

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached?

☐ Yes ☒ No

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A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

Attachment to Form PTO - 1595
Recordation Form Cover Sheet

Name of Receiving Party:

BIOTRONIK Mess -und Therapiegeraete GmbH & Co. Ingenieurbuero Berlin

Practitioner's Docket No. 117163-53**PATENT**

For: U.S. Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Michael Frank Mlynski
Am Bollet Nr. 57
Aachen, D-52078

Germany
Nationality: Germany

Dr. Bjorn Henrik Diem
Aureliusstrasse 42
Aachen, D-52064

Germany
Nationality: Germany

Prof. Dr. Walter Ameling
Morillenhang 67
Aachen, D-52074

Germany
Nationality: Germany

Prof. Dr. Peter Hanrath
Gut Steeg 16
Aachen, D-52074

Germany
Nationality: Germany

hereby sell, assign and transfer to

ASSIGNEE:

Biotronik Mess- und Therapiegeraete GmbH & Co.
Ingenieurbuero Berlin
Woermannkehlre 1
Berlin D-12359
Germany
Nationality: Germany

Assignment of Invention—Multiple Inventors—page 1 of 2

PATENT
REEL: 013620 FRAME: 0341

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

RATE-ADAPTIVE CARDIAC PACEMAKER

and which is found in (37 C.F.R. § 3.21) U.S. application no. 10/234,023 filed on September 3, 2002 and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date subscribed.

Date: 23rd October 2002


Signature of Michael Frank Mlynski

Date:

Signature of Dr. Bjorn Henrik Diem

Date:

Signature of Prof. Dr. Walter Ameling

Date:

Signature of Prof. Dr. Peter Hanrath

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

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IN WITNESS WHEREOF, We have hereunto set hand and seal on the date subscribed.

Date:

Signature of Michael Frank Mlynski

Date: *October 28th, 2002*

Bjorn Diem

Signature of Dr. Bjorn Henrik Diem

Date:

Signature of Prof. Dr. Walter Ameling

Date:

Signature of Prof. Dr. Peter Hanrath

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

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IN WITNESS WHEREOF, We have hereunto set hand and seal on the date subscribed.

Date:

Signature of Michael Frank Mlynski

Date:

Signature of Dr. Bjorn Henrik Diem

Date: 27th November 2002

Dr. Walter Ameling

Signature of Prof. Dr. Walter Ameling

Date:

Signature of Prof. Dr. Peter Hanrath

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

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Date:

Signature of Michael Frank Mlynski

Date:

Signature of Dr. Bjorn Henrik Diem

Date:

Signature of Prof. Dr. Walter Ameling

Date:

10-27-02

Peter Hanrath

Signature of Prof. Dr. Peter Hanrath